PN-AAZ-637

Arab Republic of Egypt, Ministry of Social Insurance

Automated Egyptian Social Insurance System (AESIS)

Individual Registration Detailed System Design

October 1984

International Business Services, Inc.
GENASYS Corporation

INDIVIDUAL REGISTRATION SUBSYSTEM
DETAILED DESIGN DOCUMENT
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INDIVIDUALS REGISTRATION SUBSYSTEM OVERVIEW

The main functions of the Individuals Registration Subsystem are to: assign Social Insurance Numbers (SIN) to all individuals that will be affected by the AESIS system; to produce SIN identification cards; and to establish a record with identifying and characteristic data for the individual in the database. Individuals who will apply for registration could be categorized as follows:

- Insured individuals (working individuals)
- Pensioners (to receive insurance benefits)
- Beneficiaries (to receive insurance benefits)
- Dependents (of insured individuals).

This subsystem represents the entry point of an individual into AESIS. Once an individual is registered, the fact of that registration might be used to insure the individual under one of the four Social Insurance Laws and/or authorize the individual for benefits payments. The Benefits System contains verification and audit functions designed to identify fraudulent actions, but the benefits inspections are difficult if the individual has what appears to be a valid registration. Also, the ID card that is issued as a result of registration is an important credential for other transactions the individual might want to make outside of the social insurance area. The large opportunity for abuse of the social insurance registration requires that specific safeguards be built into the system to prevent such abuse.

One of the techniques used in this subsystem to increase the accuracy of the database and to guard against system abuse is to require more than one person to be involved in all significant database activity. Below are listed the identified "users" of the Individuals Registration Subsystem:

- Data Entry Clerk - responsible for accurate data entry of registration applications. All standard transactions must be initiated by the Data Entry Clerk.

- Auditor - responsible for the manual and automated verification of the accuracy of the entered data. Only the Auditor can cause the National Individuals Database to be updated.

- Inspector - if the auditor is not satisfied with a transaction being processed, then he indicates that a formal inspection is required for the transaction. The inspector performs the inspection and returns his findings to the Auditor for clearance.

AUTOMATED EGYPTIAN SOCIAL INSURANCE SYSTEM

(AESIS)

INDIVIDUALS REGISTRATION SUBSYSTEM

SYSTEM FLOW AND STRUCTURE

On the following pages the subsystem flow and structure charts provide an overview of processing required for the Individuals Registration Subsystem of AESIS. The structure chart depicts the programs of the subsystem:

I. Data Entry Processing
   - Original Application Entry
   - Modify Individual Record
   - Change Address
   - Enter Reissue Request
   - Maintain Registration Transaction (Data Entry)

II. Auditor Processing
   - Audit Original Application
   - Audit Modifications
   - Audit Reissue Request
   - Maintain Sensitive Indicator
   - Maintain Registration Transaction (Audit)
   - Verify ID Card Receipt

III. Inspector Processing
   - Inspector Assignment
   - Inspection Results

IV. Database Inquiry

- Query by Name
- Query by SIN

V. Batch Processing

- Batch Transaction Processing
- Batch Audit Processing
- ID Card Format
- Archive Registration Transactions

VI. Report Processing

- Daily Registration Transation Report
- Daily Inspection Report
- Aged Transaction Report

VII. Additional Programs

- Registration Transaction Update
- Duplication Check

The first subsystem flow diagram depicts the online processing blocks along with the interaction with the databases. The record subsystem flow diagram depicts the programs in the Batch and Report Processing functions along with the interaction with the databases. The Batch Transaction Processing program accomplishes all of the processing associated with the Data Entry function and the Batch Audit Processing program accomplishes the processing of the Auditor function.

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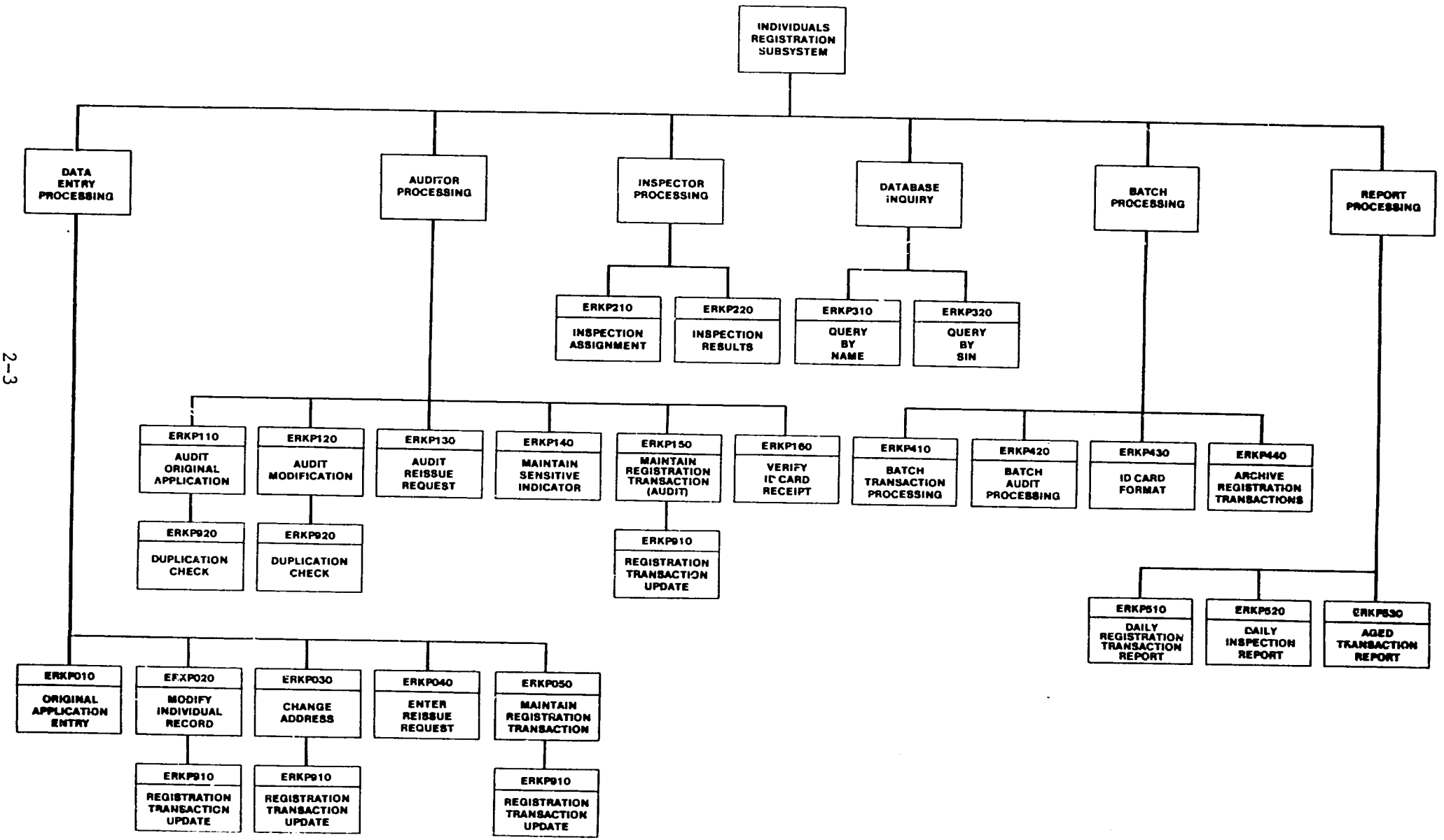
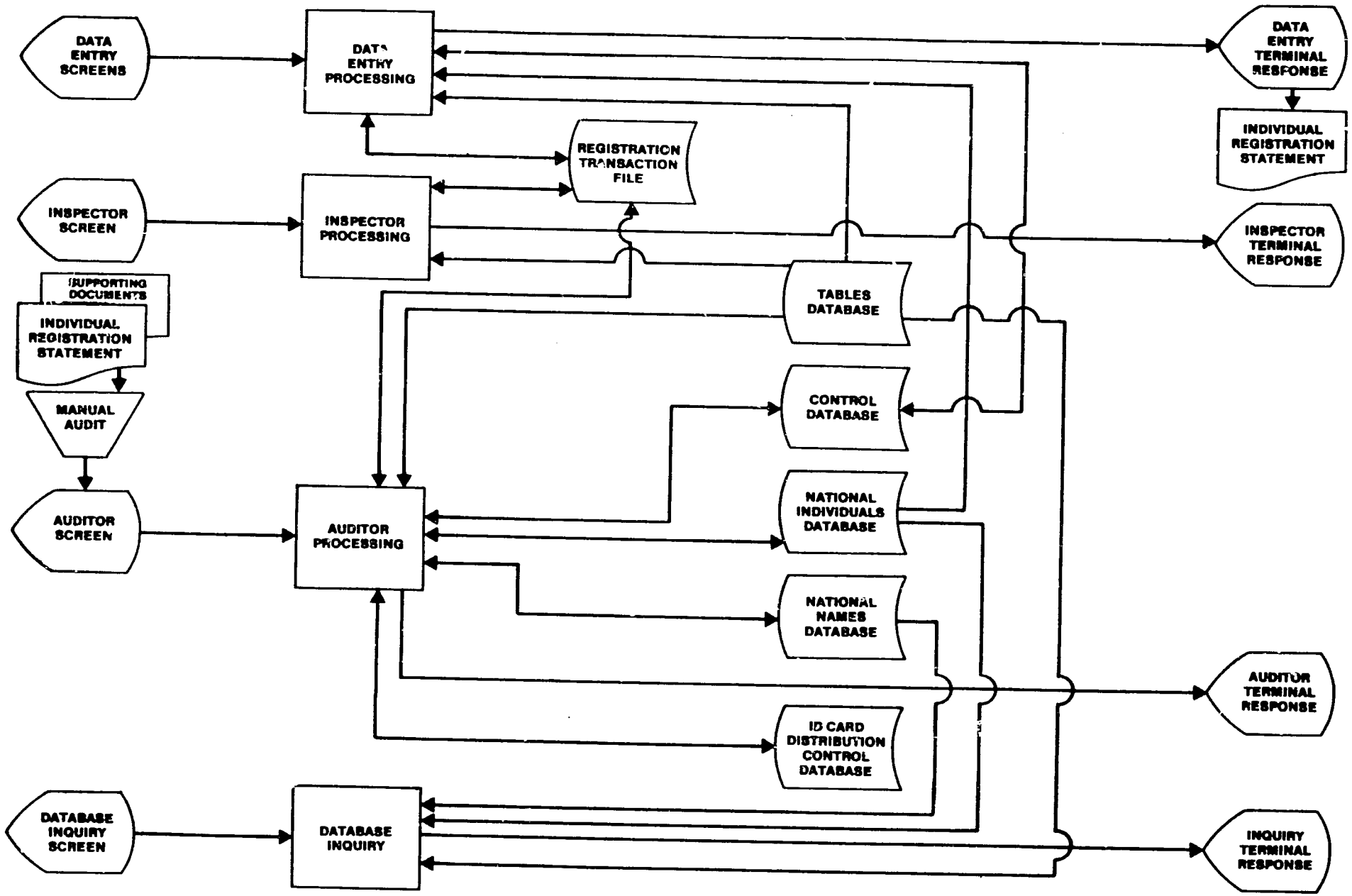
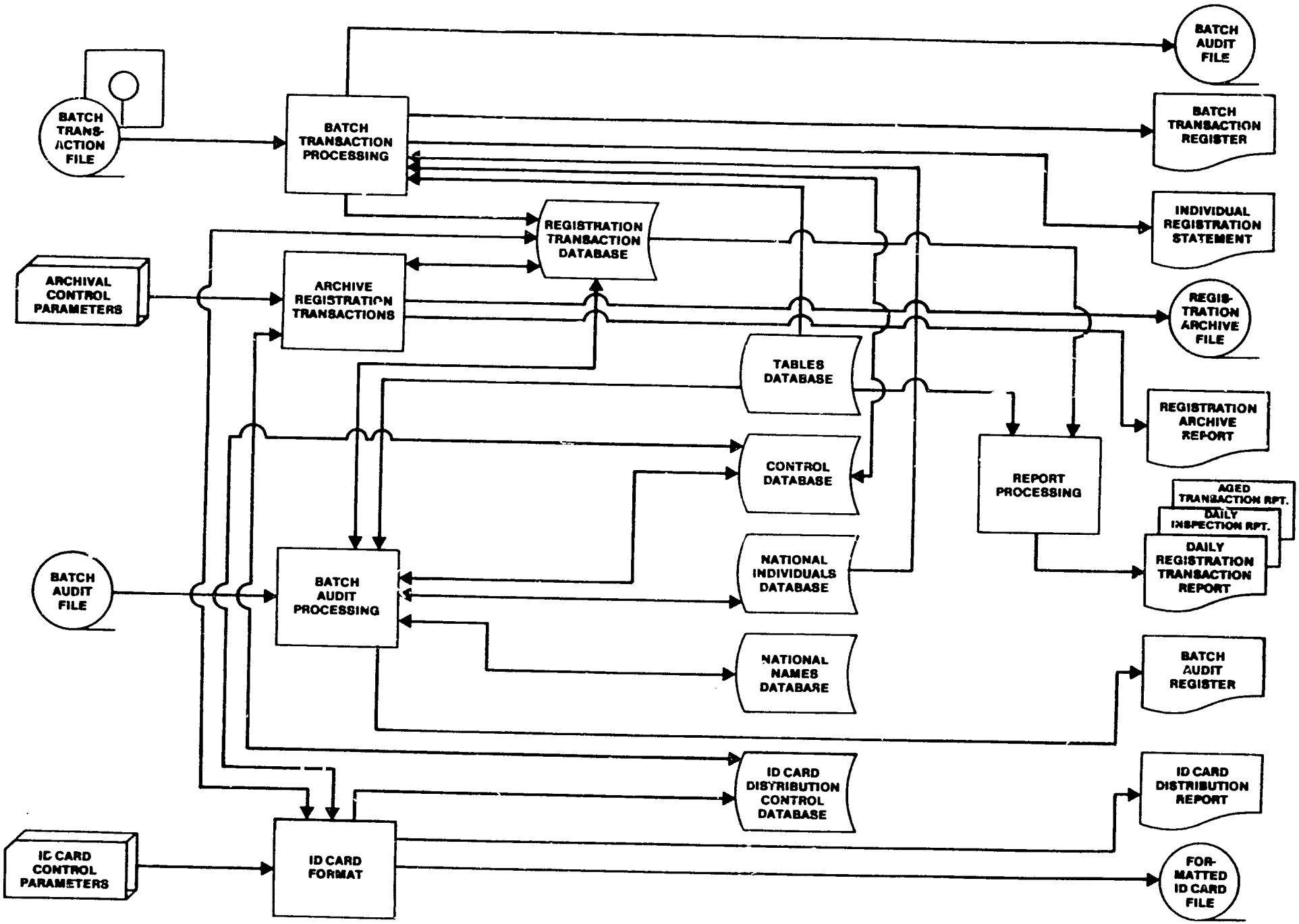
INDIVIDUALS REGISTRATION SUBSYSTEM STRUCTURE CHART



INDIVIDUALS REGISTRATION SUBSYSTEM FLOW



INDIVIDUALS REGISTRATION SUBSYSTEM FLOW
BATCH PROCESSING



INDIVIDUALS REGISTRATION SUBSYSTEM

STATUS CODE USAGE FOR THE

INDIVIDUAL REGISTRATION TRANSACTION DATABASE

The process of registration is a multistep activity with multiple individuals being involved. The Individuals Registration Transaction Database is used to hold the partially completed transaction through the different stages until the transaction is ready to be archived. In addition, the transaction database provides the source for the audit trail of the significant events that occurred to the individual records.

The STATUS-CODE field of the transaction record is used to identify the current processing status that has been achieved. The chart on the following page identifies the status code values that are used divided into five major areas:

- Data Entry 11 thru 19
- Auditor 21 thru 29
- Inspector 31 thru 36
- ID Card Issue 41 thru 49
- Sensitive Processing 58 and 59

Three general conditions are represented by the status codes as indicated on the left side of the chart:

- Initial Status Codes - Those codes for which the transaction cannot be progressed by a user outside

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of the identified user area. For example the code eleven (11) means that the Data Entry Clerk is still processing the transaction, therefore the Auditor would not have access to the transaction.

- Transition Status Codes - Those codes for which the current user area has completed processing and the transaction is available for the next user area to process. For example the code fifteen (15) means that the Data Entry Clerk is complete and that the Auditor has access for audit processing.

- Final Status Codes - Those codes that indicate that processing is complete and the transaction is ready to be archived.

Two additional status codes are used that are not referenced on the chart:

- 91 - For reference versions of the individual's National Individuals Database record used to support the Modify Individual Record Function.

- 92 - For transactions that have been superseded, for example for the Data Entry Clerk's version of the transaction if the Auditor performs additional modifications to it.

For the above two cases, more than one record will be on the transaction database to support a single transaction. The active record will contain one of the status codes represented on the status code chart and the inactive transactions will contain either a 91 or a 92. When a transaction is archived the corresponding reference, or superseded, transactions are also archived.

Following the status code chart are three state diagrams that depict the various status codes that can be achieved for each of the major functions:

- Original Application Entry
- Modify Existing Record on the National Individual's Database
- ID Card Reissue.

The state diagrams show the interrelationships between the status codes, the different users involved and the programs that effect each status code change. For example on the Original Entry Chart, status code 15 can be changed to 21. Next to this line that corrects 15 to 21 the number 110 is shown which means that program ECKP110 - Audit Original Application is used to make that change.

The "dummy" status code of 99 is used on the chart to indicate that the transaction has been archived.

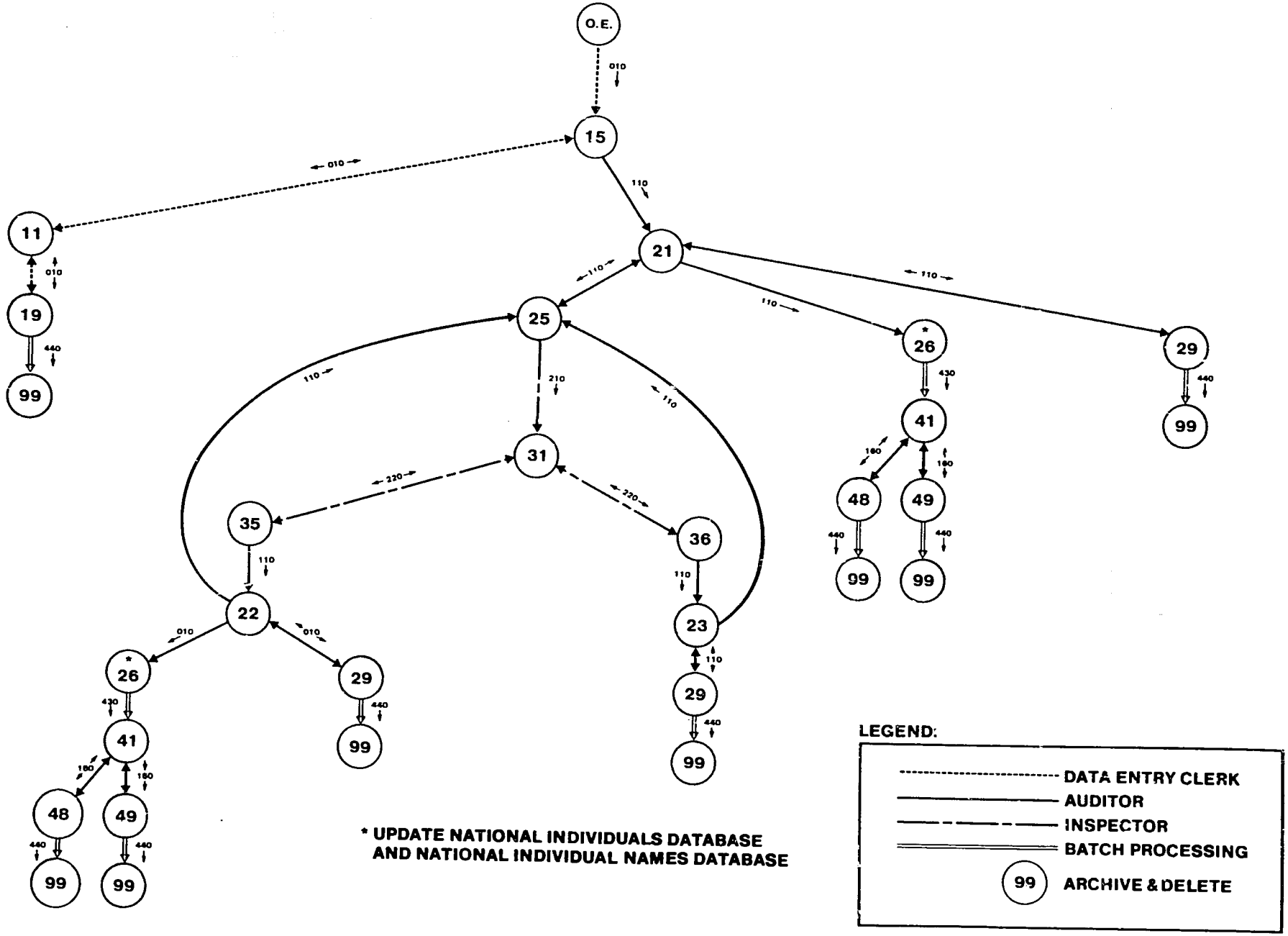
INDIVIDUAL REGISTRATION SUBSYSTEM

TRANSACTION DATABASE

STATUS-CODE VALUES

	DATA ENTRY	AUDITOR	INSPECTOR	ID CARD ISSUE	SENSITIVE PROCESSING
INITIAL STATUS CODES	11 - IN DATA ENTRY	21 - IN AUDIT 22 - BACK IN AUDIT-CONTINUE 23 - BACK IN AUDIT-STOP	31 - IN INSPECTION	41 - ID CARD CREATED	
TRANSITION STATUS CODES	15 - DATA ENTRY COMPLETE - SUCCESSFUL	25 - AUDIT FAILED - INSPECTION REQUIRED 26 - AUDIT SUCCESSFUL - ID CARD REQUIRED	35 - INSPECTION COMPLETE - CONTINUE 36 - INSPECT COMPLETE - STOP		
FINAL STATUS CODES	19 - DATA ENTRY DELETE	28 - AUDIT SUCCESSFUL - ID CARD NOT REQUIRED 29 - AUDIT FAILED - DELETE		48 - ID CARD VERIFIED NON-RECEIPT 49 - ID CARD RECEIPT VERIFIED	58 - RECORD CHANGED TO SENSITIVE 59 - RECORD CHANGED TO NON-SENSITIVE

ORIGINAL ENTRY



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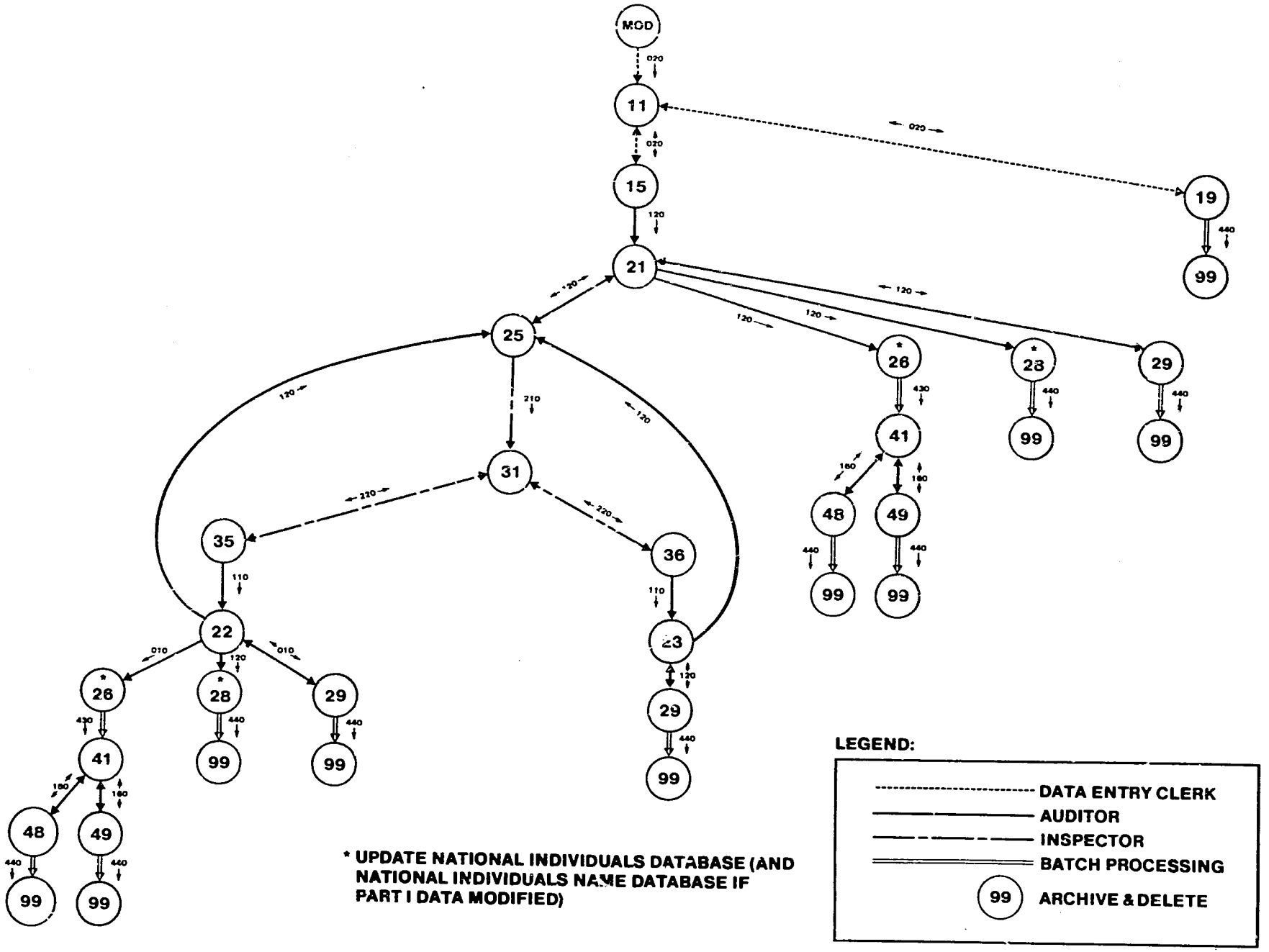
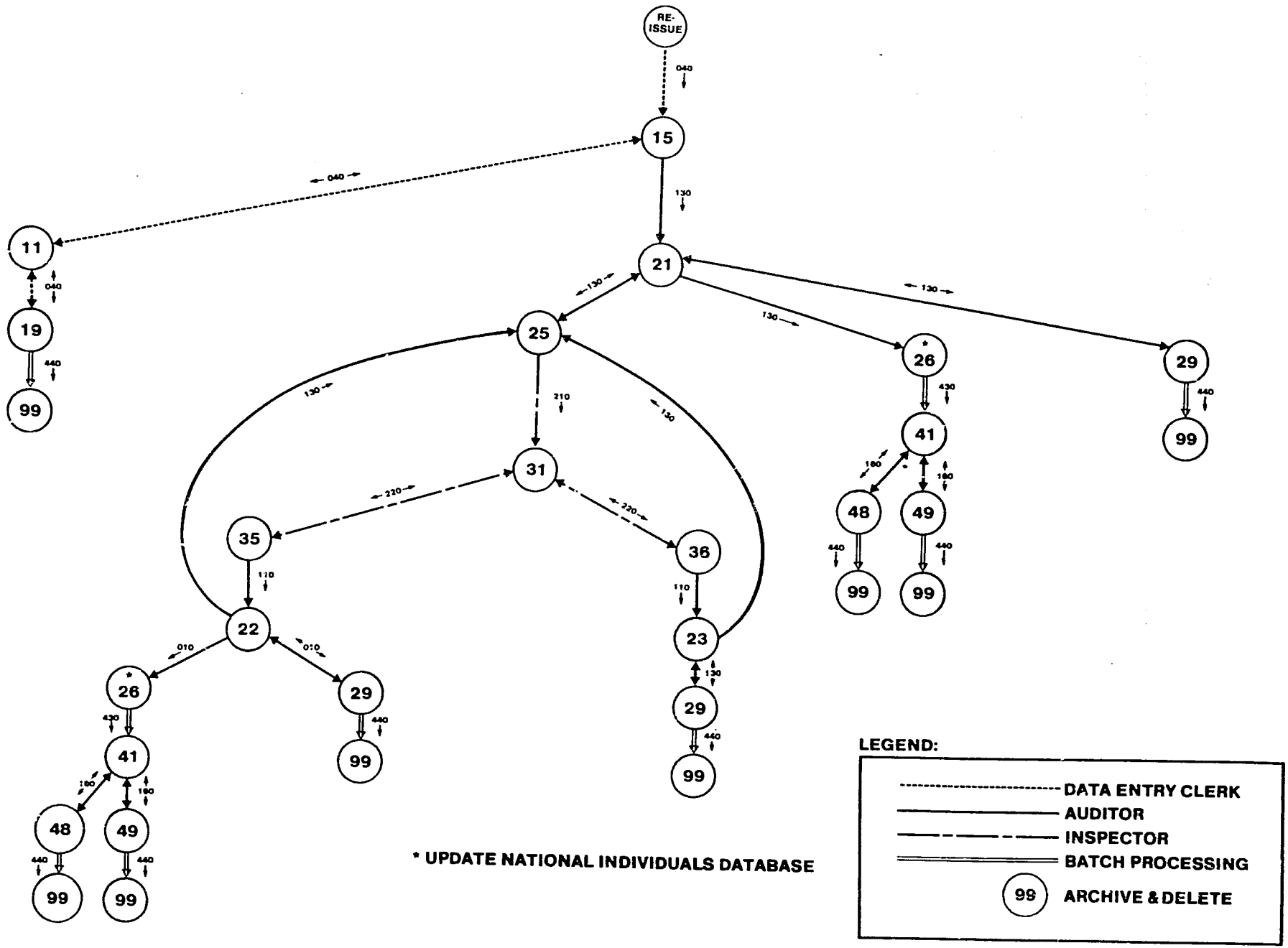
MODIFY EXISTING RECORD



* UPDATE NATIONAL INDIVIDUALS DATABASE (AND NATIONAL INDIVIDUALS NAME DATABASE IF PART I DATA MODIFIED)

ID CARD REISSUE



PROGRAM DESCRIPTION

System: Registration — Date f.c.: 7/31/84

Subsystem: Individuals Registration — Date l.u.: 7/31/84

Function: Data Entry Procedures — Phase: 2

Program: ERKP010 - Original Application Entry

CICS Trans ID: K010

Author: JEL

Description:

The Original Application Entry Subprogram provides for the data entry of the Individual Registration Application Form for original applicants. This is the first step to the official registration of an individual for social insurance purposes. The process of registration is divided into several steps to assure that no one person has total access to establishing a registration record for an individual. This separation of function in the registration area is designed to assist in the prevention of duplicate or fraudulent entries in the National Individuals Database.

The Data Entry Clerk reviews the Individual Registration Application Form and assigns codes to certain items on the form. The data from the form is then entered into the system using a screen format that is similar in presentation as the registration form. The coded fields are verified by this subprogram by referencing the Tables Database. If the entry passes all edits then the Data Entry Clerk can approve the entry for posting to the Individual Registration Transaction Database. The Data Entry Clerk will have access to this transaction for additional modifications or to delete the transaction in case of a mistake up until the point that an Auditor selects the transaction for audit processing.

INPUTS:

Files: Control, Tables Databases

Screens: Individual Application (ERKS010)

Reports: None

Documents: Individual Registration Application Form, Birth Certificate

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OUTPUTS:

Files: Control, Registration Transaction Databases

Screens: Original Application Entry (ERKS010)

Reports: Individual Registration Statement (Screen Print)

Documents: None

Interface:

Invoked by: Registration Driver Module

Transfers to: Registration Driver Module

Standard Modules:

Name: None

Function: None

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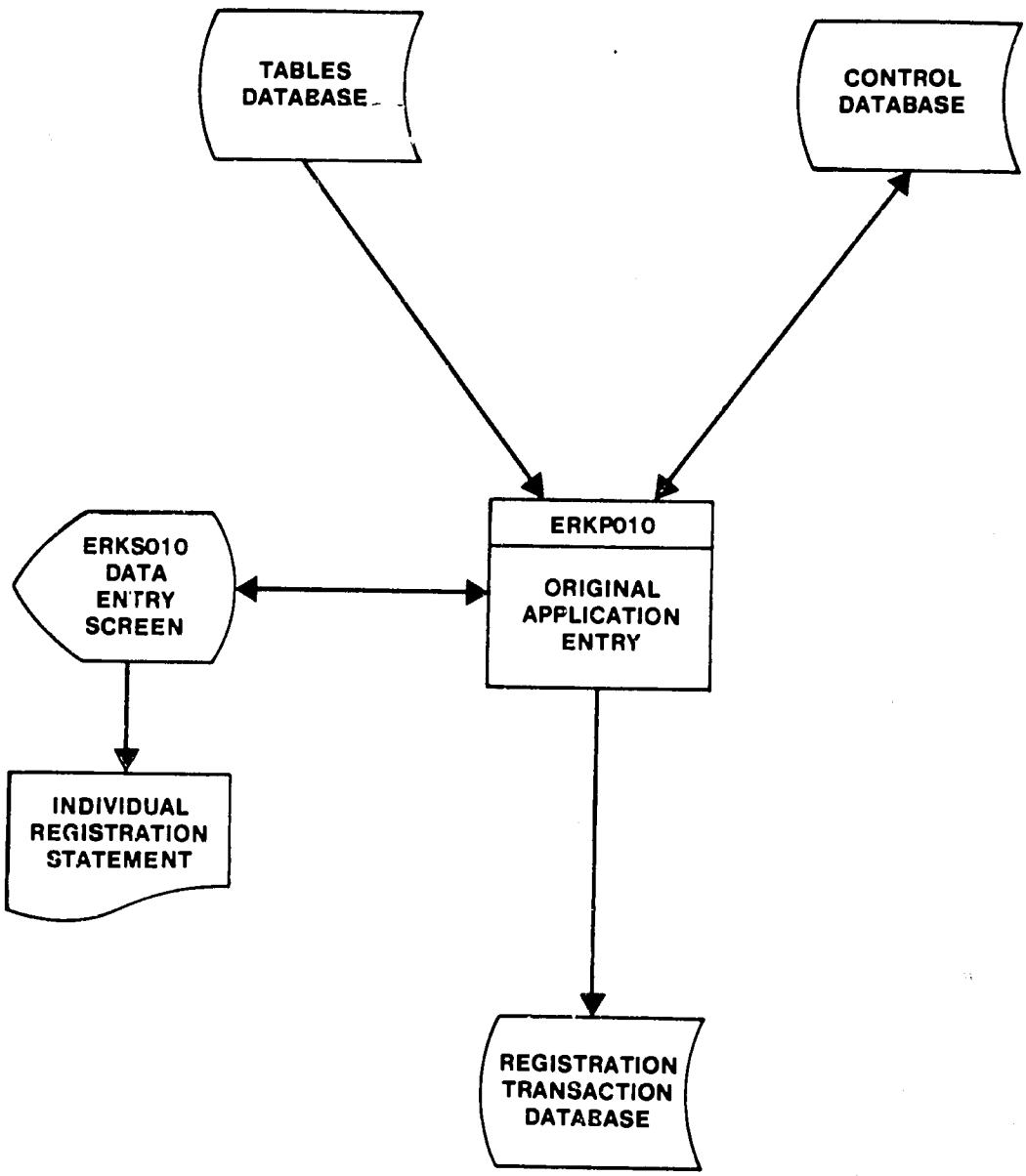
PROGRAM I/O DIAGRAM
ORIGINAL APPLICATION ENTRY



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PROCESSING LOGIC

Validate operator as data entry type;

Prompt operator for required inputs;

Validate entered data; establish a new Registration Transaction record via assignment of the next available transaction number from the Control data base and a record count of 9999; update the control data base to reflect current transaction number; notify user upon completion and prompt user to print screen; return control to Registration System driver module.

PROCESS CONTROL

```
IF  COM-PASSWORD  =  Data Entry password and  COM-PANEL  not
equal 'ERKS010'
     MOVE map name (ERKS010) to COM-PANEL
     MOVE map set name (ERKS010S) to COM-PANEL-SET
     MOVE program transaction ID (K020) to COM-TRAN-ID
     MOVE operator message to MAP-MSG-LINE1
     PERFORM 7000-SEND-INITIAL-MAPS
ENDIF
IF  COM-PASSWORD = Data Entry password and COM-PANEL  equals
"ERKS010"
     IF COM-EDIT-SW = 1
          PERFORM 2000-PROCESS-TRANSACTION
     ELSE
          PERFORM 1000-EDIT-INPUT
     ENDIF
ENDIF
IF COM-PASSWRD NOT EQUAL DATA ENTRY PASSWORD
     MOVE OPERATOR WARNING MESSAGE TO MSG-LINE
     EXEC CICS SEND
          FROM (MSG-LINE)
```


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```
                LENGTH (79)
                ERASE
            END-EXEC
            MOVE REGISTRATION DRIVER TRANSACTION ID TO COM-TRAN-ID
            EXEC CICS RETURN
                TRANSID (COM-TRAN-ID)
                COMMAREA (DFHCOMMAREA-W)
                LENGTH (COM-LENGTH)
                END-EXEC
        ENDIF
        PERFORM 1100-PROCESS-TRANSACTION.
1000-EDIT-INPUT
        IF NAME INPUT LENGTH > ZERO
            IF NAME INPUT FIELD NOT NUMERIC
                MOVE NAME INPUT FIELD TO COM-RT-FULL-NAME
            ELSE
                MOVE CURSOR TO NAME LENGTH FIELD
                SET NAME ATTRIBUTE FIELD TO UNPROT-BRIGHT
                PERFORM 3000-FSET
            ENDIF
            MOVE CURSOR TO NAME LENGTH FIELD
            SET NAME ATTRIBUTE FIELD
            MOVE 'NAME IS A MANDATORY ITEM' TO MSG-LINE2
            PERFORM 3000-FSET
        ENDIF
        IF BIRTH LOCATION LENGTH > ZERO
            PERFORM 4000-BIRTH-CHECK
            IF BIRTH LOCATION VALID
```

```
            MOVE BIRTH LOCATION TO COM-RT-BIRTH-LOCATION
        ELSE
            MOVE CURSOR TO BIRTH LOCATION LENGTH
            SET BIRTH LOCATION ATTRIBUTE BYTE
            PERFORM 3000-FSET
        ENDIF
    ELSE
        MOVE CURSOR TO BIRTH LOCATION LENGTH
        SET BIRTH LOCATION ATTRIBUTE BYTE
        MOVE `BIRTH LOCATION IS MANDATORY ITEM' to MSG-
        LINE2
        PERFORM 3000-FSET
    ENDIF
    IF SEX LENGTH > ZERO
        IF SEX FIELD = "1" OR "2"
            MOVE SEX FIELD TO COM-RT-SEX-CODE
        ELSE
            MOVE CURSOR TO SEX LENGTH
            SET SEX ATTRIBUTE
            PERFORM 3000-FSET
        ENDIF
    ELSE
        MOVE CURSOR TO SEX LENGTH
        SET SEX ATTRIBUTE
        MOVE "SEX IS A MANDATORY DATA ITEM" TO MSG-LINE2
        PERFORM 3000-FSET
    ENDIF
```

```
IF DATE OF BIRTH LENGTH > ZERO
     IF DATE OF BIRTH NUMERIC
          PERFORM 4000-DATE-ROUTINE
          MOVE INTERNAL-DATE TO COM-RT-DATE-OF-BIRTH
     ELSE
          MOVE CURSOR TO DATE OF BIRTH LENGTH
          SET DATE OF BIRTH ATTRIBUTE
          PERFORM 3000-FSET
     ENDIF
ELSE
     MOVE CURSOR TO DATE OF BIRTH LENGTH
     SET DATE OF BIRTH ATTRIBUTE
     MOVE 'DATE OF BIRTH IS MANDATORY' TO MSG-LINE2
     PERFORM 3000-FSET
ENDIF
IF FAMILY NAME LENGTH > ZERO
     IF FAMILY NAME NOT NUMERIC
         MOVE FAMILY NAME TO COM-RT-FAMILY-NAME
     ELSE
         MOVE CURSOR TO FAMILY NAME LENGTH
         SET FAMILY NAME ATTRIBUTE
         PERFORM 3000-FSET
     ENDIF
ENDIF
IF BIRTH POLICE STATION LENGTH > ZERO
     IF BIRTH POLICE STATION NUMERIC
         PERFORM 4000-POLICE-STATION-CHECK
         MOVE  BIRTH POLICE STATION TO  COM-RT-BIRTH-POLICE-
```


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```
            STATION
        ELSE
            MOVE CURSOR TO BIRTH POLICE STATION LENGTH
            SET BIRTH POLICE STATION ATTRIBUTE
            PERFORM 3000-FSET
        ENDIF
    ENDIF
    IF REG-REGION LENGTH > ZERO
        IF REG REGION NUMERIC
            PERFORM 4000-REGISTRAT-REG-CHECK
            MOVE REGION DESCRIPTION TO REG-REGION OUTPUT FIELD
            MOVE REG REGION TO COM-RT-REGISTRATION-REGION-CODE
        ELSE
            MOVE CURSOR TO REG REGION LENGTH
            SET REG REGION ATTRIBUTE
            PERFORM 3000-FSET
        ENDIF
    ELSE
        MOVE CURSOR TO REG REGION LENGTH
        SET REG REGION ATTRIBUTE
        MOVE  'REGISTRATION REGION MANDATORY ITEM' TO  MSG-
        LINE2
        PERFORM 3000-FSET
    ENDIF
    IF REG OFFICE LENGTH > ZERO
        IF REG OFFICE NUMERIC
            PERFORM 4000-REGISTRATION-OFFICE-CHECK
```

```
            MOVE OFFICE DESCRIPTION TO REG-OFFICE OUTPUT FIELD
            MOVE REG OFFICE CODE TO  COM-RT-REGISTRATION-LOCAL-
            OFFICE-CODE
        ELSE
            MOVE CURSOR TO REG OFFICE LENGTH
            SET REG OFFICE ATTRIBUTE
            PERFORM 3000-FSET
        ENDIF
    ELSE
        MOVE CURSOR TO REG OFFICE LENGTH
        SET REG OFFICE ATTRIBUTE
        MOVE  'REGISTRATION OFFICE MANDATORY ITEM' TO  MSG-
        LINE2
        PERFORM 3000-FSET
    ENDIF
    IF REG UNIT LENGTH > ZERO
        IF REG UNIT NUMERIC
            PERFORM 4000-REGISTRATION-UNIT-CHECK
            MOVE  REG  UNIT TO  COM-RT-REGISTRATION-LOCAL-UNIT-
            CODE
            MOVE UNIT DESCRIPTION TO RE-UNIT OUTPUT
        ELSE
            MOVE CURSOR TO REG UNIT LENGTH
            SET REG UNIT ATTRIBUTE
            PERFORM 3000-FSET
        ENDIF
    ELSE
            MOVE CURSOR TO REG UNIT LENGTH
```


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```
            SET REG UNIT ATTRIBUTE
            MOVE  'REGISTRATION  UNIT MANDATORY ITEM'  TO  MSG-
            LINE2
            PERFORM 3000-FSET
    ENDIF
    IF MOTHERS NAME LENGTH > ZERO
        IF MOTHERS NAME NOT NUMERIC
            MOVE MOTHERS NAME TO COM-RT-MOTHERS-NAME
        ELSE
            MOVE CURSOR TO MOTHERS NAME LENGTH
            SET MOTHERS NAME ATTRIBUTE
            PERFORM 3000-FSET
        ENDIF
    ENDIF
    IF POLICE TYPE LENGTH > ZERO
        IF POLICE TYPE EQUAL 1
            MOVE POLICE TYPE TO COM-RT-POLICE-ID-TYPE
            MOVE 'PERSONAL' TO POLICE TYPE OUTPUT FIELD
        ELSE
        IF POLICE TYPE EQUAL 2
            MOVE POLICE TYPE TO COM-RT-POLICE-ID-TYPE
            MOVE FAMILY TO POLICE TYPE OUTPUT
    ELSE
        MOVE CURSOR TO POLICE TYPE LENGTH
        SET POLICE TYPE ATTRIBUTE
        PERFORM 3000-FSET
ENDIF
```

```
IF POLICE GOVERNORATE LENGTH > ZERO
     IF POLICE GOVERNORATE NUMERIC
         PERFORM 4000-POL-GOVERN-CHECK
         MOVE POLICE GOVERNORATE TO COM-RT-POLICE-ID-
         GOVERNORATE-CODE
         MOVE GOVERNORATE DESCRIPTION TO POLICE GOVERNORATE
         OUTPUT FIELD
     ELSE
         MOVE CURSOR TO POLICE GOVERNORATE LENGTH
         SET POLICE GOVERNORATE ATTRIBUTE
         PERFORM 3000-FSET
     ENDIF
ENDIF
IF POLICE STATION LENGTH > ZERO
     IF POLICE STATION NUMERIC
         PERFORM 4000-POL-STATION-CHECK
         MOVE POLICE STATION TO COM-RT-POLICE-ID-STATION-
         CODE
         MOVE POLICE STATION DESCRIPTION TO POLICE STATION
         OUTPUT FIELD
     ELSE
         MOVE CURSOR TO POLICE STATION LENGTH
         SET POLICE STATION ATTRIBUTE
         PERFORM 3000-FSET
     ENDIF
ENDIF
IF POLICE SERIAL LENGTH > ZERO
     IF POLICE SERIAL NUMERIC
```

```
            MOVE POLICE SERIAL TO COM-RF-POLICE-ID-SERIAL-
            NUMBER
        ELSE
            MOVE CURSOR TO POLICE SERIAL LENGTH
            SET POLICE SERIAL ATTRIBUTE
            PERFORM 3000-FSET
        ENDIF
    ENDIF
    IF ADDRESS NUMBER LENGTH > ZERO
        IF ADDRESS NUMBER NUMERIC
            MOVE ADDRESS NUMBER TO COM-RT-ADDRESS-BUILDING-
            NUMBER
        ELSE
            MOVE CURSOR TO ADDRESS NUMBER LENGTH
            SET ADDRESS NUMBER ATTRIBUTE
            PERFORM 3000-FSET
        ENDIF
    ELSE
        MOVE CURSOR TO ADDRESS NUMBER LENGTH
        SET ADDRESS NUMBER ATTRIBUTE
        MOVE 'ADDRESS NUMBER MANDATORY ITEM' TO MSG-LINE2
        PERFORM 3000-FSET
    ENDIF
    IF ADDRESS STREET LENGTH > ZERO
        MOVE ADDRESS STREET TO COM-RT-ADDRESS-STREET-NAME
    ELSE
        MOVE CURSOR TO ADDRESS STREET LENGTH
```


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```
        SET ADDRESS STREET ATTRIBUTE
        MOVE 'STREET NAME IS MANDATORY' TO MSG-LINE2
        PERFORM 3000-FSET
    ENDIF
    IF ADDRESS GOVERNORATE LENGTH > ZERO
        IF ADDRESS GOVERNORATE NUMERIC
            PERFORM 4000-POL-GOVERN-CHECK
            MOVE GOVERNORATE TO COM-RT-ADDRESS-GOVERNORATE-CODE
            MOVE GOVERNORATE DESCRIPTION TO ADDRESS GOVERNORATE
            OUTPUT FIELD
        ELSE
            MOVE CURSOR TO ADDRESS GOVERNORATE LENGTH
            SET ADDRESS GOVERNORATE ATTRIBUTE
            PERFORM 3000-FSET
        ENDIF
    ELSE
        MOVE CURSOR TO ADDRESS GOVERNORATE LENGTH
        SET ADDRESS GOVERNORATE ATTRIBUTE
        MOVE 'GOVERNORATE CODE IS MANDATORY' TO MSG-LINE2
        PERFORM 3000-FSET
    ENDIF
    IF ADDRESS POLICE STATION LENGTH > ZERO
        IF ADDRESS POLICE STATION NUMERIC
            PERFORM 4000-POL-STATION-CHECK
            MOVE POLICE STATION TO COM-RT-ADDRESS-POLICE-
            STATION-CODE
            MOVE POLICE STATION DESCRIPTION TO ADDRESS POLICE
            STATION OUTPUT FIELD
```


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```
        ELSE
            MOVE CURSOR TO ADDRESS POLICE STATION LENGTH
            SET ADDRESS POLICE STATION ATTRIBUTE
            PERFORM 3000-FSET
        ENDIF
    ELSE
        MOVE CURSOR TO ADDRESS POLICE STATION LENGTH
        SET ADDRESS POLICE STATION ATTRIBUTE
        MOVE 'POLICE STATION CODE,  MANDATORY ITEM' TO MSG-
        LINE2
        PERFORM 3000-FSET
    ENDIF
    IF ADDRESS UNIT LENGTH > ZERO
        IF ADDRESS UNIT NUMERIC
            PERFORM 4000-POL-UNIT-CHECK
            MOVE  ADDRESS  UNIT TO  COM-RT-ADDRESS-POLICE-UNIT-
            CODE
            MOVE UNIT DESCRIPTION TO ADDRESS UNIT OUTPUT FIELD
        ELSE
            MOVE CURSOR TO ADDRESS UNIT LENGTH FIELD
            SET ADDRESS UNIT ATTRIBUTE
            PERFORM 3000-FSET
        ENDIF
    ELSE
        MOVE CURSOR TO ADDRESS UNIT LENGTH FIELD
        SET ADDRESS UNIT ATTRIBUTE
        MOVE 'POLICE UNIT CODE IS MANDATORY' TO MSG-LINE2
```

```
        PERFORM 3000-FSET
    ENDIF
    IF NATIONALITY LENGTH > ZERO
        IF NATIONALITY NUMERIC
            PERFORM 4000-NATL-CHECK
            MOVE NATIONALITY TO COM-RT-NATIONALITY
            MOVE  NATIONALITY DESCRIPTION TO NATINALITY  OUTPUT
            FIELD
        ELSE
            MOVE CURSOR TO NATIONALITY LENGTH
            SET NATIONALITY ATTRIBUTE
            PERFORM 3000-FSET
        ENDIF
    ELSE
        MOVE CURSOR TO NATIONALITY LENGTH
        SET NATIONALITY ATTRIBUTE
        MOVE 'NATIONALITY CODE IS MANDATORY' TO MSG-LINE2
    ENDIF
    IF SOURCE OF DATA LENGTH > ZERO
        IF SOURCE OF DATA NUMERIC
            PERFORM 4000-SOURCE-OF-DATA-CHECK
            MOVE  SOURCE OF DATA TO  COM-RT-ORIGINAL-SOURCE-OF-
            DATA--CODE
            MOVE  SOURCE OF DATA DESCRIPTION TO SOURCE OF  DATA
            OUTPUT FIELD
        ELSE
            MOVE CURSOR TO SOURCE OF DATA LENGTH
            SET SOURCE OF DATA ATTRIBUTE
```

```
            PERFORM 3000-FSET
        ENDIF
    ELSE
        MOVE CURSOR TO SOURCE OF DATA LENGTH
        SET SOURCE OF ATTRIBUTE
        MOVE 'SOURCE OF DATA CODE MANDATORY' TO MSG-LINE2
        PERFORM 3000-FSET
    ENDIF

2000-PROCESS-TRANSACTION
    IF PF KEY DENOTES UPDATE NOT COMPLETE
        GET CONTROL DATA BASE TRANSACTION NUMBER
        MOVE   TRANSACTION   NUMBER   TO   COM-REGISTRATION-
        TRANSACTION-NUMBER
        ADD 1 TO TRANSACTION NUMBER
        REPLACE TRANSACTION NUMBER IN CONTROL DATABASE
        MOVE '11' TO COM-STATUS-CODE
        INSERT  COM-INDIVIDUAL-REGISTRATION-RECORD TO INDIVIDU-
        AL-REGISTRATION-TRANSACTION DATABASE
    ENDIF
    IF PF KEY DENOTES UPDATE COMPLETE
        GET CONTROL DATA BASE TRANSACTION NUMBER
        MOVE  TRANSACTION  NUMBER  TO  COM-REGISTRATION-TRANS-
        ACTION-NUMBER
        ADD 1 TO TRANSACTION NUMBER
        REPLACE TRANSACTION NUMBER IN CONTROL DATABASE
        MOVE '15' TO COM-STATUS-CODE
```


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```
        INSERT   COM-INDIVIDUAL-REGISTRATION-RECORD  TO   INDI-
        VIDUAL-REGISTRATION-TRANSACTION-DATABASE
    ENDIF
    IF PF KEY DENOTES CANCEL
        MOVE DATA ENTRY DRIVER PROGRAM NAME TO COM-DESTIN-PROG
        PERFORM 4900-XCTL
    ENDIF
    MOVE '0' TO COM-RT-TRANSACTION-TYPE
    MOVE '11' TO COM-RT-STATUS-CODE
    MOVE CURRENT DATE TO WS-HOLD-DATE
    PERFORM 4000-DATE-CONVERSION
    MOVE INTERNAL-DATE TO INITIAL ENTRY DATE DATE ADDED
    MOVE '9999' TO RECORD COUNT
    MOVE COM-OPER-SIN TO APPROVED BY ISIN
    MOVE 1 TO COM-EDIT-SW
    MOVE INSTRUCTIONAL MESSAGE PROMPT TO MSG-LINE1
    MOVE 'K010' COM-TRANSID
    MOVE 'ERKP010' TO COM-DESTIN-PROG
                      COM-ORIGIN-PROG
    PERFORM 4800-RESEND-MAP
3000-FSET
    EXEC CICS SEND
        MAPSET (COM-PANEL-SET)
        MAP (COM-PANEL)
        FREEKB
        ERASE
        FSET
        CURSOR
```

```
        END-EXEC

        PERFORM 7000-BASIC RETURN

    4000-DATE-ROUTINE-SECTION

        CALL 'DATECEI' USING EXTERNAL-DATE
                             INTERNAL-DATE

    4000-POLICE-STATION-CHECK

        MOVE BIRTH-POLICE-STATION-PREFIX TO TABLE-KEY-PREFIX

        MOVE BIRTH-POLICE-STATION-CODE TO TABLE-KEY-VALUE

        GET TABLES DATABASE RECORD

        IF FOUND

            MOVE  TABLE-DESCRIPTION  TO  BIRTH  POLICE  STATION

            OUTPUT FIELD

        ELSE

            FAIL EDIT

        ENDIF

    4000-SOURCE-OF-DATA-CHECK

        MOVE SOURCE OF DATA PREFIX TO TABLE KEY PREFIX

        MOVE SOURCE OF DATA CODE TO TABLE KEY VALUE

        GET TABLE DATA BASE RECORD

        IF FOUND

            MOVE  TABLE  DESCRIPTION TO SOURCE OF  DATA  OUTPUT

            FIELD

        ELSE

            FAIL EDIT

        ENDIF

    4000-NATL-CHECK

        MOVE NATIONALITY PREFIX TO TABLE-KEY PREFIX

        MOVE NATIONALITY CODE TO TABLE KEY VALUE
```

```
    GET TABLES DATA BASE RECORD
    IF FOUND
        MOVE TABLE DESCRIPTION TO NATIONALITY OUTPUT FIELD
    ELSE
        FAIL EDIT
    ENDIF
4004-POL-UNIT-CHECK
    MOVE ADDRESS UNIT PREFIX TO TABLE KEY PREFIX
    MOVE ADDRESS UNIT CODE TO TABLE KEY VALUE
    GET TABLES DATABASE RECORD
    IF FOUND
        MOVE TABLE DESCRIPTION TO ADDRESS UNIT OUTPUT FIELD
    ELSE
        FAIL EDIT
    ENDIF
4000-REGISTRATION-UNIT-CHECK
    MOVE REG UNIT PREFIX TO TABLE KEY PREFIX
    MOVE REG UNIT CODE TO TABLE KEY VALUE
    GET TABLE DATABASE RECORD
    IF FOUND
        MOVE TABLE DESCRIPTION TO REG UNIT OUTPUT FIELD
    ELSE
        FAIL EDIT
    ENDIF
4000-REGISTRATION-OFFICE-CHECK
    MOVE REG-OFFICE PREFIX TO TABLE KEY PREFIX
    MOVE REF OFFICE CODE TO TABLE KEY VALUE
    GET TABLES DATABASE RECORD
```

```
    IF FOUND
        MOVE TABLE DESCRIPTION TO REG OFFICE OUTPUT FIELD
    ELSE
        FAIL EDIT
    ENDIF
4000-REG-REGION
    MOVE REG REGION PREFIX TO TABLE-KEY-PREFIX
    MOVE REG REGION CODE TO TABLE KEY VALUE
    GET TABLES DATABASE RECORD
    IF FOUND
        MOVE TABLE DESCRIPTION TO REG REGION OUTPUT FIELD
    ELSE
        FAIL EDIT
    ENDIF
4000-POL-GOVERN-CHECK
    MOVE POLICE GOVERNORATE PREFIX TO TABLE KEY PREFIX
    MOVE POLICE GOVERNORATE CODE TO TABLE KEY VALUE
    GET TABLE DATABASE RECORD
    IF FOUND
        MOVE TABLE DESCRIPTION TO POLICE GOVERNORATE OUTPUT
        FIELD
    ELSE
        FAIL EDIT
    ENDIF
4044-BIRTH-CHECK
    MOVE BIRTH-LOCATION PREFIX TO TABLE KEY PREFIX
    MOVE BIRTH LOCATION TO TABLE KEY VALUE
```

```
        GET TABLES DATABASE RECORD
        IF FOUND
            MOVE TABLE-DESCRIPTION TO BIRTH-LOCATION-DESCRIPTION
        ELSE
            FAIL EDIT
        ENDIF
4800-RESEND-MAP
        EXEC CICS SEND
             MAPSET  (COM-PANEL-SET)
             MAP  (COM-PANEL)
             FREEKB
             ERASE
             FSET
             CURSOR
        END-EXEC
        PERFORM 7000-BASIC-RETURN
4900-XCTL
        EXEC CICS XCTL
             PROGRAM (COM-DESTIN-PROG)
             COMMAREA  (DFHCOMMAREA-W)
             LENGTH (COM-LENGTH)
        END-EXEC
7000-SEND-INITIAL-MAPS
        EXEC CICS SEND
             MAPSET (COM-PANEL-SET)
             MAP  (COM-PANEL)
             FREEKB
             ERASE
```

```
            FSET
            CURSOR
        END-EXEC
7000-BASIC-RETURN
        EXEC CICS RETURN
            TRANSID (COM-TRAN-ID)
            COMMAREA (DFH-COMMAREA-W)
            LENGTH (COM-LENGTH)
        END EXEC
```

PROGRAM DESCRIPTION

System: Registration — Date f.c.: 31 July 1984

Subsystem: Individuals Registration — Date l.u.: 14 Aug 1984

Function: Data Entry Procedures — Phase: 2

Program: ERKP020 - Modify Individual Record

CICS Trans ID: K020

Author: SWB & JEL

Description:

The Modify Individual Record Subprogram provides for the data entry of the Individual Registration Change Form for the modification of a registered individual's personal data. Separation of function is provided for record modification by having the Data Entry Clerk enter the modification data using this program and the Auditor approve the modification and update the National Individuals Database with the changed record using the Audit Modification subprogram.

The Data Entry Clerk reviews the Individual Registration Change Form and assigns code to items on the form as needed. The individual's SIN is entered and the current individual's record is displayed on the screen. The changed fields are typed over the current fields on the screen and the enter key is pressed. The program verifies coded values by referencing the Tables Database and performs field level edits. The results are displayed on the screen and, if no edit errors exist the Data Entry Clerk can approve the modification for posting to the Individual Registration Transaction Database. The Data Entry Clerk will have access to this transaction for additional modification or deletion, in case of a mistake, up until the point that an Auditor selects the transaction for audit processing.

INPUTS:

Files: Tables, Control, National Individuals Databases

Screens: Modify Individual Record (ERKS020)

Reports: None

Documents: Individual Registration Change Form, Other Supporting Documents

OUTPUTS:

Files: Control, Registration Transaction Databases

Screens: Modify Individual Record (ERKS020)

Reports: None

Documents: None

INTERFACE:

Invoked by: Registration Driver Module

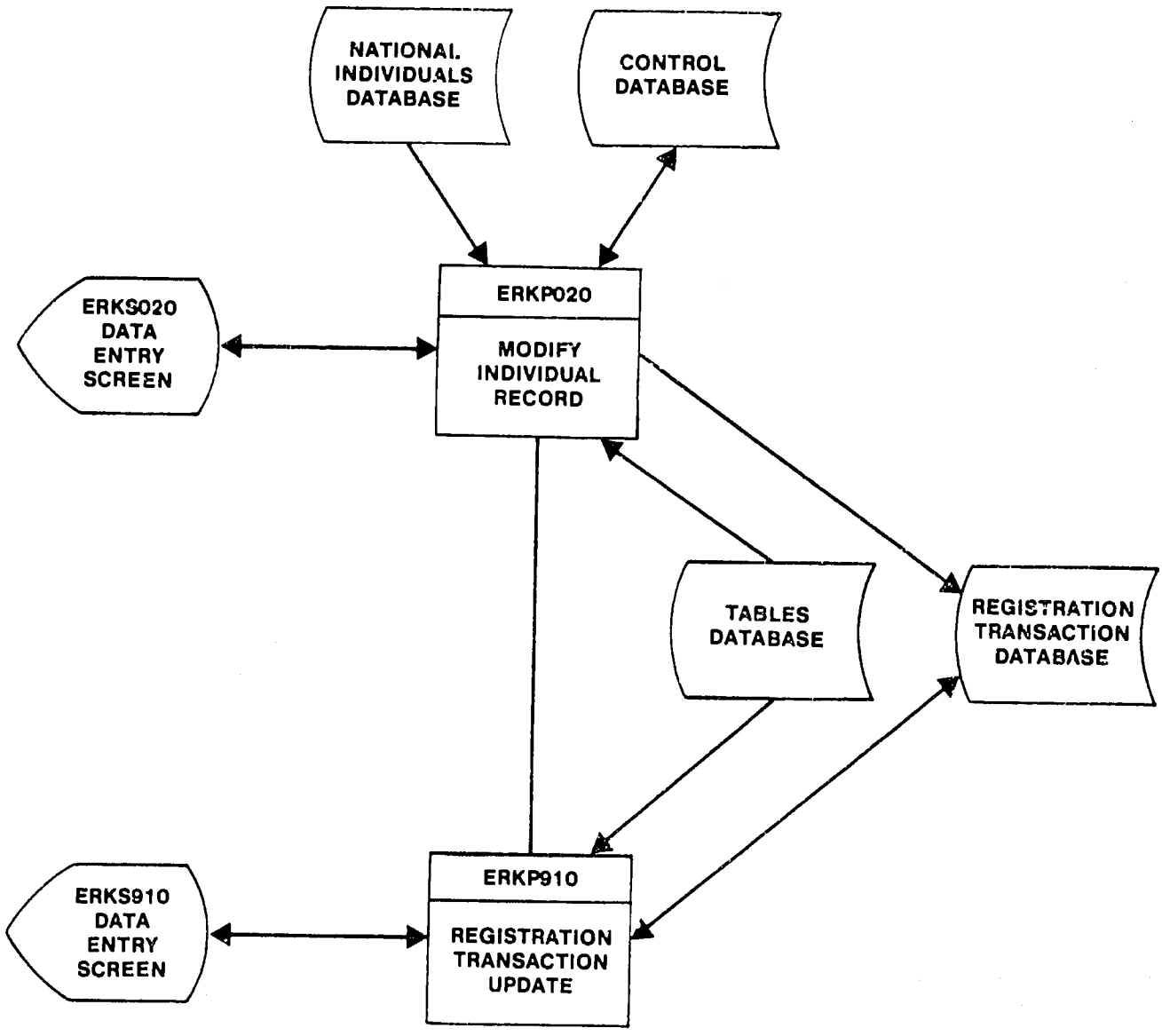
Transfers to: Registration Driver Module

STANDARD MODULES:

Name: Registration Transaction Update (ERKP910)

Function: Allows the Part I and Part II data to be modified in the Registration Transaction Database

PROGRAM I/O DIAGRAM
MODIFY INDIVIDUAL RECORD



PROCESSING LOGIC:

Prompt operator for desired SIN; display detail SIN data; prompt operator for modification function (i.e., yes vs. cancel); create an original record and a mod record on the Registration Transaction data base; transfer control to the Registration Transaction Update module.

PROCESS CONTROL

```
IF COM-PANEL not equal 'ERKS020'
     MOVE 'ERKS020' to COM-PANEL
     MOVE 'ERKS020S' to COM-PANEL-SET
     MOVE 'K020' to COM-TRAN-ID
     MOVE 0 TO COM-EDIT-SW
     PERFORM 7000-SEND-INITIAL-MAPS
ENDIF.
IF COM-PANEL equal 'ERKS020' and COM-EDIT-SW = 0
     PERFORM 1000-CHECK-DIGIT
     PERFORM 1000-SIN-RETRIEVAL
ENDIF.
IF COM-PANEL equal 'ERKS020' and COM-EDIT-SW = 1
     PERFORM 2100-SITUP
ENDIF.
```

1000-CHECK-DIGIT

This section denotes a called routine that accomplishes the following:

Compares the ninth digit of user inputted SIN number with a system calculated digit.

```
IF MATCH
    MOVE ISIN TO COM-ISIN
```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```
                MOVE 1 TO COM-SIN-OK-SW
        ELSE
                MOVE 0 TO COM-SIN-OK-SW
        ENDIF.
1000-SIN-RETRIEVAL
        MOVE COM-ISIN to INDIVIDUAL-RECORD-KEY VALUE
        GET National Individuals Database record
        IF FOUND
            PERFORM 2000-SITUP
        ELSE
            MOVE OPERATOR INFORMATION MESSAGE TO MSG-LINE1
            PERFORM 4800-RESEND-MAP
        ENDIF.
2000-SITUP
        MOVE COM-SIN to OUTPUT-SIN
        MOVE COM-FULL-NAME to OUTPUT FULL-NAME
        MOVE COM-BIRTH-LOCATION to corresponding output.
        MOVE COM-SEX-CODE to corresponding output.
        IF COM-SEX-CODE = 1
            MOVE 'MALE' to output sex description
        ENDIF
        IF COM-SEX-CODE = 2
            MOVE 'FEMALE' to output sex description
        ENDIF.
        PERFORM 4000-BIRTH-CHECK
            MOVE COM-DATE-OF-BIRTH to WS-DOB
            PERFORM 4000-DATE-ROUTINE
```


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```
        MOVE NEW-DOB to output DATE-OF-BIRTH.
        MOVE COM-FAMILY-NAME to corresponding output.
        PERFORM 4000-REGISTRATION-UNIT-CHECK
        PERFORM 4000-REGISTRATION-OFFICE-CHECK
        PERFORM 4000-REG-REGION.
        MOVE COM-MOTHERS-NAME to corresponding output.
    IF COM-POLICE-ID-TYPE = 1
        MOVE 'PERSONAL' to corresponding output.
    ELSE
    IF COM-POLICE-ID-TYPE = 2
        MOVE 'FAMILY' to corresponding output.
    ENDIF.
    MOVE COM-POLICE-ID-SERIAL-NUMBER to corresponding output
    PERFORM 4000-POLICE-STATION-CHECK
    PERFORM 4000-POL-GOVERN-CHECK
    MOVE COM-ADDRESS-BUILDING-NUMBER to corresponding output
    MOVE COM-STREET-NAME to corresponding output
    PERFORM 4000-ADDRESS-GOVERN-CHECK
    PERFORM 4000-POLICE-STATION-CHECK
    PERFORM 4000-POL-UNIT-CHECK
    PERFORM 4000-NATL-CHECK
    PERFORM 4000-SOURCE-OF-DATA-CHECK.
    MOVE 1 TO COM-EDIT-SW
    PERFORM 3000-FSET.
2100-SITUP
    IF PF KEY response equal cancel
        MOVE Registration Driver programs to COM-DESTIN-PROG
        MOVE ERKP020 to COM-ORIGIN-PROG
```

```
            PERFORM 4900-XCTL
        ENDIF
        IF PF KEY response equal process
            MOVE COM-INDIVIDUAL-RECORD to COM-RT-INDIVIDUAL
            MOVE 'M' to COM-RT-TRANSACTION-TYPE
            MOVE '91' TO COM-RT-STATUS CODE
            MOVE CURRENT-DATE TO WS-HOLD-DATE
            PERFORM 4000-DATE-ROUTINE
            MOVE PACK-DATE TO COM-RT-INITIAL-ENTRY-DATE
            MOVE 9999 TO COM-RT-RECORD-COUNT
            PERFORM 2300-PROCESS-TRANS
            SUBTRACT 1 FROM COM-RT-RECORD-COUNT
            MOVE '11' TO COM-RT-STATUS-CODE
            ADD RECORD TO INDIVIDUAL REGISTRATION TRANSACTION
            DATABASE
            MOVE 'ERKP910' TO COM-DESTIN-PROG
            MOVE 'ERKP020' TO COM-ORIGIN-PROG
            PERFORM 4900-XCTL
        ENDIF.
3000-FSET SECTION
        EXEC CICS SEND
            Mapset (COM-PANEL-SET)
            Map (COM-PANEL)
            Free KB
            Erase
            Fset
            Cursor
```


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```
    END EXEC
    PERFORM 7000-BASIC RETURN.
4000-DATE-ROUTINE SECTION
    CALL 'DATECEI' USING EXTERNAL-DATE
                         INTERNAL-DATE
4000-POLICE-STATION-CHECK
    MOVE BIRTH-POLICE-STATION PREFIX to TABLE-KEY-PREFIX
    MOVE BIRTH-POLICE-STATION CODE to TABLE-KEY-VALUE
    GET Tables Database record
    IF FOUND
        MOVE  TABLE-DESCRIPTION to BIRTH-POLICE-STATION  output
        field
    ELSE
        FAIL EDIT
    ENDIF

4000-SOURCE-OF-DATA-CHECK
    MOVE Source of Data prefix to table key prefix
    MOVE Source of Data code to table key value
    GET Table Data base record
    IF found
        MOVE table description to source of data output field
    ELSE
        Fail Edit
    ENDIF
4000-ADDRESS-GOVERN-CHECK
    MOVE ADDRESS GOVERNORATE Prefix to table key prefix
    MOVE ADDRESS GOVERNORATE Code to table key value
```

```
        GET Table database record
        IF found
             MOVE  table  description to address governorate  output
             field
        ELSE
             Fail Edit
        ENDIF
4000-POL-UNIT-CHECK
        Move address unit prefix to table key prefix
        Move address unit code to table key value
        GET tables database record
        IF found
             MOVE table description to address unit output field
        ELSE
             Fail Edit
        ENDIF
4000-REGISTRATION-UNIT-CHECK
        MOVE Reg Unit prefix to table key prefix
        MOVE Reg Unit Code to table key value
        GET Table database record
        IF found
             MOVE table description to Reg Unit output field
        ELSE
             Fail Edit
        ENDIF
4000-REGISTRATION-OFFICE-CHECK
        MOVE Reg Office prefix to Table key prefix
        MOVE Reg Office code to table key value
```


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```
        GET Table database record
        IF found
             MOVE table description to Reg Office output field.
        ELSE
             Fail Edit
        ENDIF
   4000-REG-REGION
        MOVE Reg Region prefix to TABLE-KEY-PREFIX.
        MOVE Reg Region code to TABLE-KEY-VALUE
        GET Tables Database record
        IF found
             MOVE table description to Reg Region output field
        ELSE
             Fail Edit
        ENDIF
   4000-BIRTH-CHECK
        Move BIRTH-LOCATION-PREFIX to TABLE-KEY-PREFIX
        Move BIRTH-LOCATION to TABLE-KEY-VALUE
        Get Tables Database record
        IF found
             MOVE TABLE-DESCRIPTION to BIRTH-LOCATION-DESCRIPTION
        ELSE
             Fail Edit
        ENDIF.
   4000-NATL-CHECK
        MOVE nationality prefix to table-key prefix
        MOVE nationality code to table-key-value
```

```
        GET tables database record
        IF found
             MOVE table description to nationality output field
        ELSE
             Fail Edit
        ENDIF.
4800-RESEND-MAP
        EXEC CICS SEND
             MAPSET  (COM-PANEL-SET)
             MAP (COM-PANEL)
             FREEKB
             ERASE
             FSET
             CURSOR
        END-EXEC
        PERFORM 7000-BASIC-RETURN
4900-XCTL
        EXEC CICS XCTL
             PROGRAM (COM-DESTIN-PROG)
             COMMAREA (DFHCOMMAREA-W)
             LENGTH (COM-LENGTH)
        END-EXEC
7000-SEND-INITIAL MAPS
        EXEC CICS SEND
             MAPSET (COM-PANEL-SET)
             MAP  (COM-PANEL)
             FREEKB
             ERASE
```

```
            FSET
            CURSOR
        END-EXEC
7000-BASIC-RETURN
        EXEC CICS RETURN
            TRANSID (COM-TRAN-ID)
            COMMAREA  (DFH-COMMAREA-W)
            LENGTH (COM-LENGTH)
        END-EXEC
```

PROGRAM DESCRIPTION

System: Registration

Subsystem: Individuals Registration

Function: Data Entry Processing

Program: ERKP030 - Change Address

CICS Trans ID: K030

Author: SWB & JEL

Date f.c.: 31 July 1984

Date l.u.: 14 Aug 1984

Phase: 2

Description:

The Change Address subprogram provides for the data entry of the Individual Address Change Form for the modification of a registered individual's current address data. This subprogram is provided as a special case of the Modify Individual Record Subprogram because the address change function will have a much higher use within the system and it will probably require a different level of access authorization than the full modification capability. It might also be convenient to place this function on the menus of other systems if the authority for entering address change data could be appropriately assigned to multiple systems units. The auditor function would still remain within the Registration System processing area even if other systems were allowed to enter the address change data.

This subprogram processes exactly like the Modify Individual Record subprogram except the only fields that can be changed are the individual's address fields.

INPUTS:

Files: Tables, Control, National Individuals Databases

Screens: Change Address (ERKS030)

Reports: None

Documents: Individual Address Change Form

OUTPUTS:

Files: Control, Registration, Transaction Databases

Screens: Change Address (ERKS030)

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Reports: None

Documents: None

INTERFACE:

Invoked by: Registration Driver Module

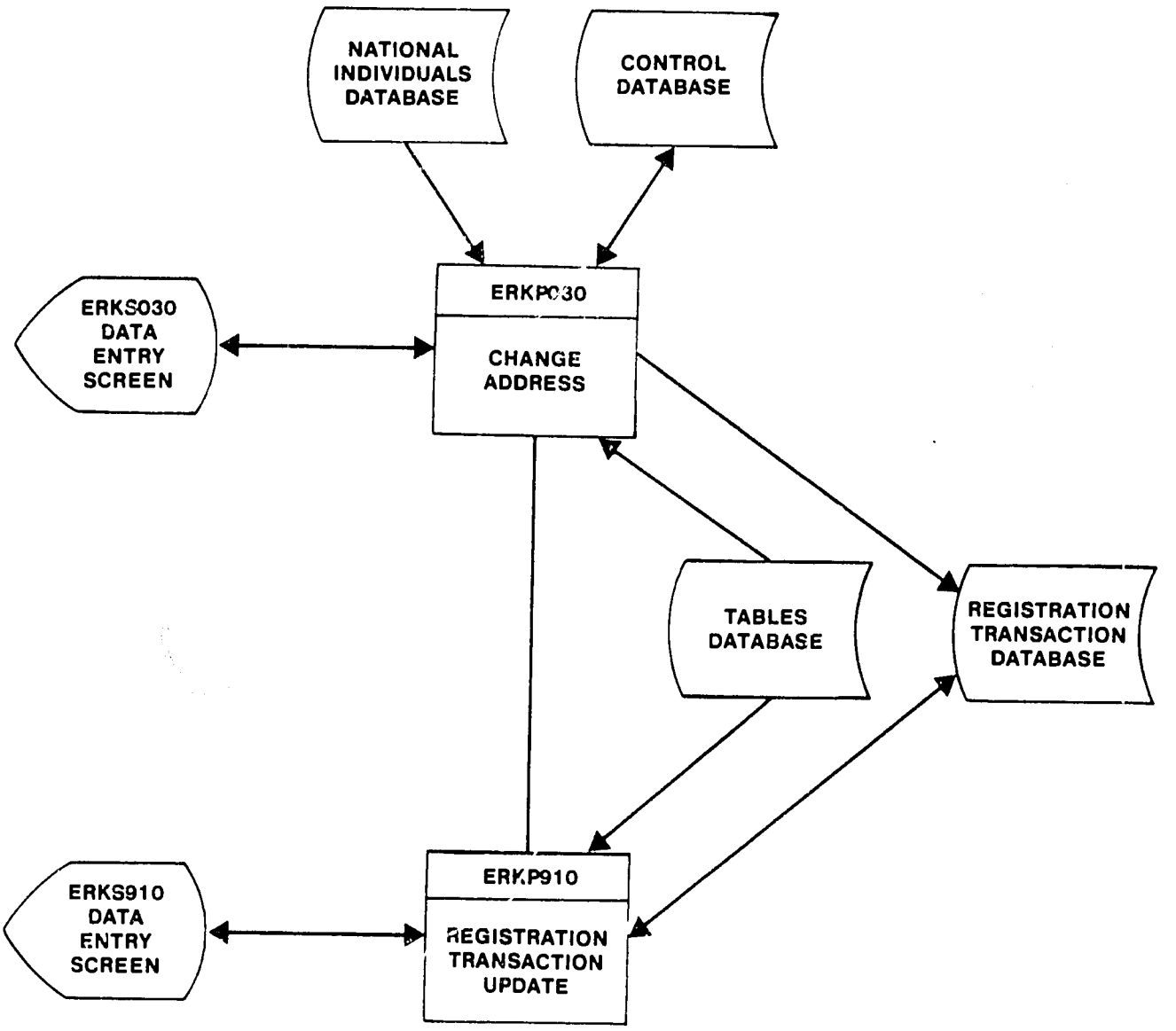
Transfers to: Registration Driver Module

STANDARD MODULES:

Name: Registration Transaction Update (ERKP910)

Function: Allows the Part I and Part II data to be modified in the Registration Transaction Database.

PROGRAM I/O DIAGRAM
CHANGE ADDRESS



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PROCESSING LOGIC:

Processing Logic for the change address module is identical to the process described in program ERKP020 - Modify Individual Record, with the following exception:

```
IF COM-DESTIN-PROG = 'ERKP910'
    THEN MOVE 'ERKP030' TO COM-ORIGIN-PROG
ENDIF
    MOVE 'A' to COM-RT-TRANSACTION-TYPE
```

All data fields will be protected on the screen with the exception of address data field items.

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PROGRAM DESCRIPTION

System: Registration — Date f.c.: 31 July 1984

Subsystem: Individuals Registration — Date l.u.: 13 Aug 1984

Function: Data Entry Processing — Phase: 2

Program: ERKP040 - Enter Reissue Request

CICS Trans ID: K040

Author: SWB & JEL

Description:

The Enter Reissue Request subprogram provides for the data entry for the Individual ID Card Reissue Form for reissuing of an ID Card to an individual that is currently registered in the system.

The Data Entry Clerk enters the SIN from the form and the individual's current record is displayed from the National Individuals Database. The Clerk then approves the transaction for update to the Individual Registration Transaction Database with a transaction type code that indicates ID Card reissue. The Data Entry Clerk has access to this transaction for deletion up until the point that an Auditor selects the transaction for audit processing.

INPUTS:

Files: Tables, Control, National Individuals Databases

Screens: Enter Reissue Request (ERKS040)

Reports: None

Documents: Individual ID Card Reissue Form

OUTPUTS:

Files: Control, Registration Transaction Databases

Screens: Enter Reissue Request (ERKS040)

Reports: None

Documents: None

INTERFACE:

Invoked by: Registration Driver Module

Transfers to: Registration Driver Module

STANDARD MODULES:

Name: None

Function: None

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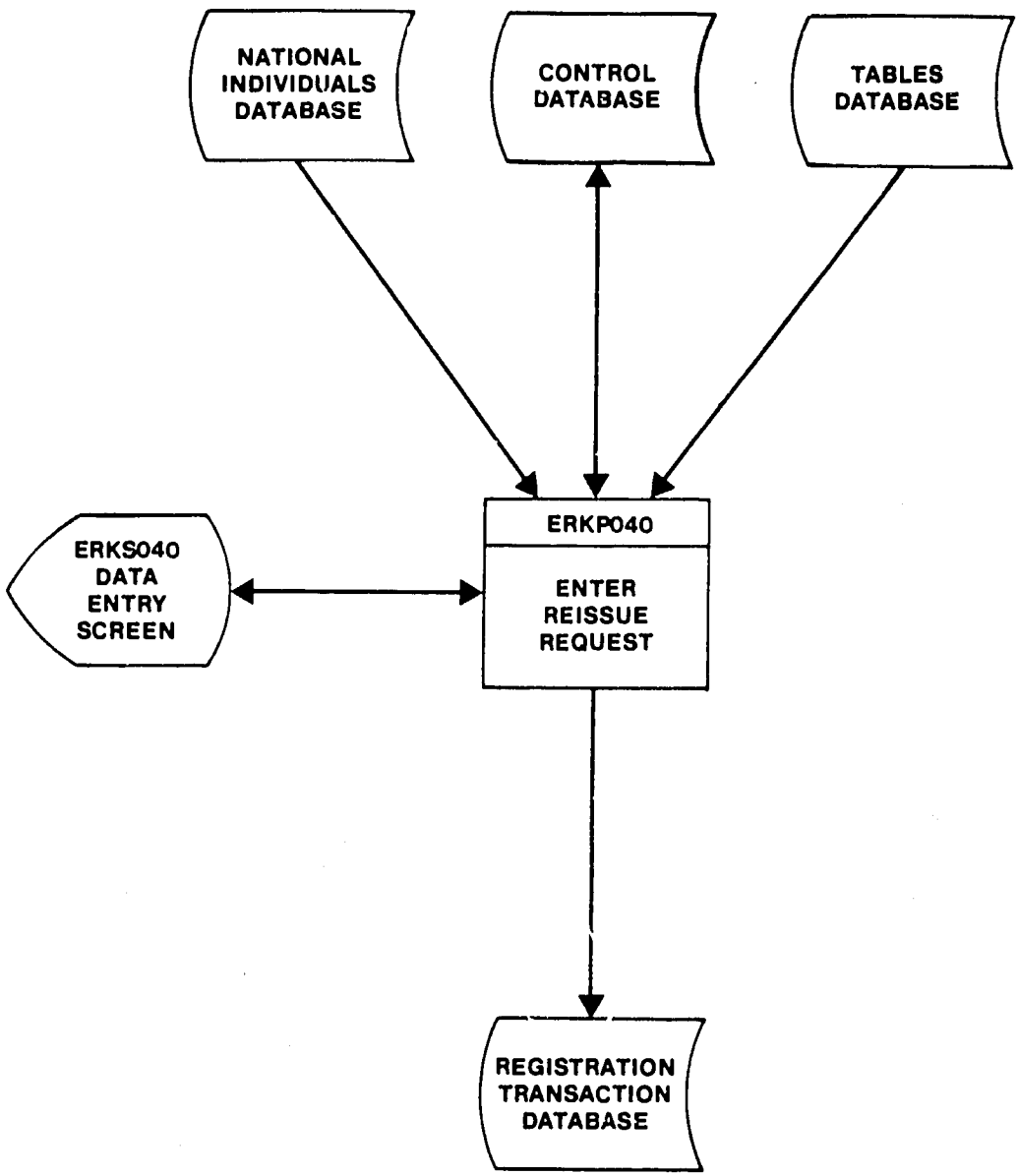
PROGRAM I/O DIAGRAM
ENTER REISSUE REQUEST



PROCESSING LOGIC:

Logic incorporated in this module will be as described in Program ERKP020 - Modify Individual Record, with the following exception:

```
2100-SITUP
IF PF key response equal Cancel
     MOVE Registration Drive Prog name to COM-DISTIN-PROG
     MOVE 'ERKP040' TO COM-ORIGIN-PROG
     PERFORM 4900-XCTL
ENDIF
IF  PF  KEY RESPONSE EQUAL PROCESS AND REISSUE  REASON  CODE
LENGTH > ZERO
     PERFORM 4000-REISSUE-REASON-CHECK
ENDIF
IF WS-REISSUE-REASON-SW NOT EQUAL '1'
     MOVE CURSOR TO REISSUE REASON CODE LENGTH
     SET REISSUE REASON CODE ATTRIBUTE
     MOVE CORRECTIVE MESSAGE TO MSG-LINE1
     PERFORM 3000-FSET
ELSE
     MOVE COM-INDIVIDUAL-RECORD TO COM-RT-INDIVIDUAL
     MOVE 'R' to COM-RT-TRANSACTION-TYPE
     MOVE '15' to COM-RT-STATUS-CODE
     MOVE CURRENT-DATE to WS-HOLD-DATE
     PERFORM 4000-DATE-ROUTINE
     MOVE PACK DATE TO COM-RT-INITIAL-ENTRY-DATE
     MOVE +9999 TO COM-RT-RECORD-COUNT
     ADD  RECORD  TO  INDIVIDUAL  REGISTRATION  TRANSACTION
```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```
        DATABASE
        PERFORM 4900-XCTL
4440-REISSUE-REASON-CHECK
    MOVE REISSUE REASON TO TABLE KEY PREFIX
    MOVE REISSUE REASON CODE TO TABLE KEY VALUE
    GET TABLES DATA BASE RECORD
    IF found
        MOVE '1' to WS-REISSUE-REASON-SW
    ELSE
        move '0' TO WS-REISSUE-REASON-SW
    ENDIF.
```


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PROGRAM DESCRIPTION

System: Registration — Date f.c.: 31 July 1984

Subsystem: Individuals Registration — Date l.u.: 13 Aug 1984

Function: Data Entry Procedures — Phase: 2

Program: ERKP050 - Maintain Registration Transaction (Data Entry)

CICS Trans ID: K050

Author: SWB & JEL

Description:

The Maintain Registration Transaction Subprogram allows the data entry clerk to modify or delete those transactions that the clerk previously entered prior to the time that an auditor requests the transaction for audit processing. Also, the data entry clerk can query all of his/her previously entered transactions prior to the time that the transactions are archived. Transactions are stored in the Registration Transaction Database for original entry, address change, other modification and ID Card reissue purposes.

INPUTS:

Files: Tables, Registration Transaction Databases

Screens: Modify Registration Transaction (Data Entry) - ERKS050

Reports: None

Documents: None

OUTPUTS:

Files: None

Screens: Modify Registration Transaction (Data Entry) - ERKS050

Reports: None

Documents: None

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INTERFACE:

Invoked by: Registration Driver Module

Transfers to: Registration Driver Module

STANDARD MODULES:

Name: Registration Transaction Update (ERKP910)

Function: Allows the Part I and Part II data to be modified in the Registration Transaction Database.

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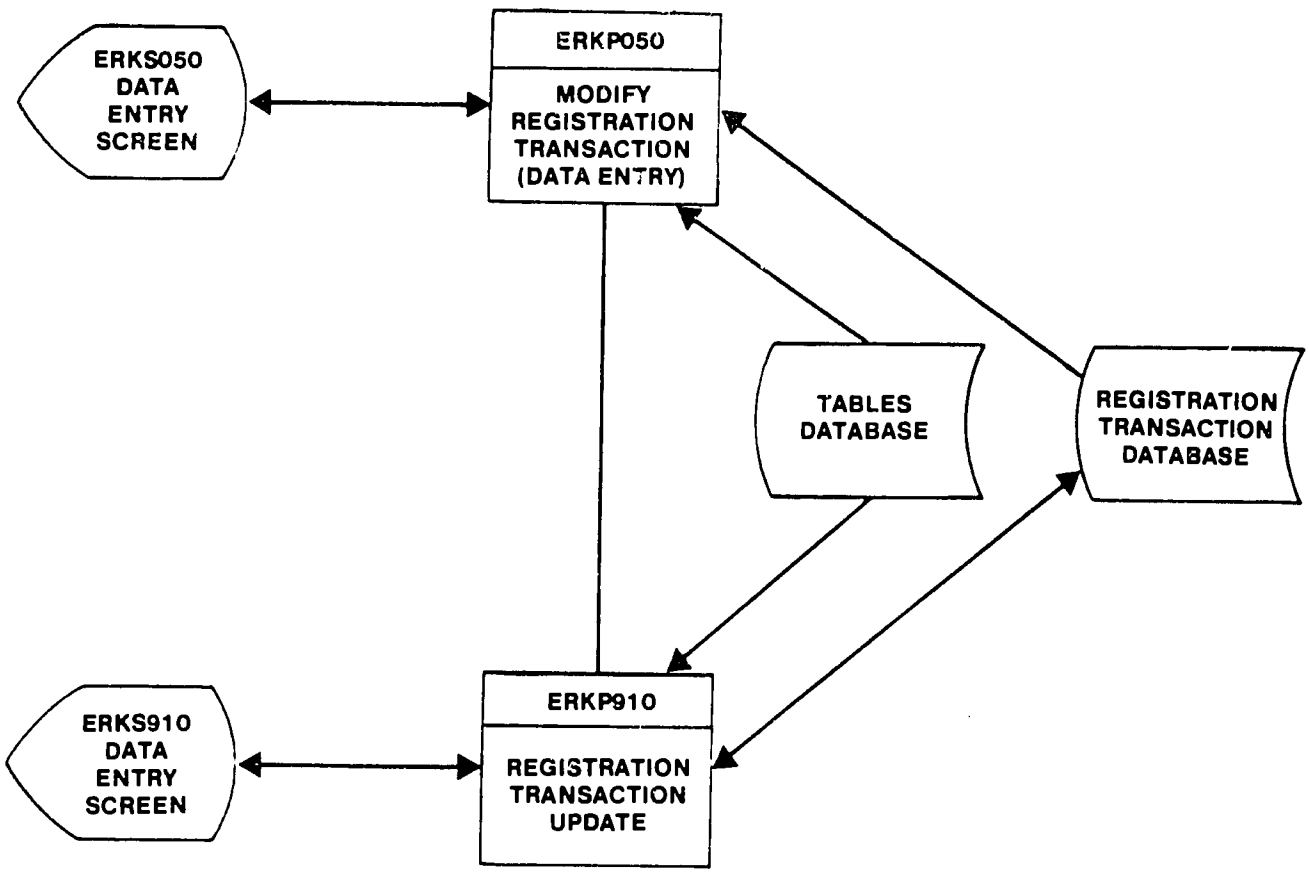
PROGRAM I/O DIAGRAM
MODIFY REGISTRATION TRANSACTION
(DATA ENTRY)



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PROCESSING LOGIC:

Processing logic for this program is: any record residing on the Individual Registration Transaction Database with a status code of 11, 15, 19 is retrievable via the data entry clerk and may be modified in accordance with its transaction type identifier (i.e., 'O', 'M', 'A', 'R'). Additionally, record retrieval will be limited by operator ISIN.

```
IF COM-ORIGIN-PROG = Registration Driver
     MOVE '0' to COM-PROCESS-SW
     MOVE 'ERKS050' to COM-PANEL
     MOVE 'ERKS050S' to COM-PANEL-SET
     MOVE 'K050' to COM-TRAN-ID
     PERFORM 7000-SEND-INITIAL-MAPS
ENDIF
IF COM-PANEL = 'ERKS050' AND COM-EDIT-SW = 0
     EXEC CICS RECEIVE
     PERFORM 1000-EDIT-TRANSACTION
ENDIF
1000-EDIT-TRANSACTION
IF input registration transaction number length > zero
     IF Registration Transaction number numeric
          MOVE Registration Transaction Number to INDIVIDUAL-
          REGISTRATION-RECORD-KEY
          GET  Individual's Registration Transaction Database
          record
          PERFORM 1001-DATABASE-VALIDATION
     ELSE
          MOVE  cursor  to  Registration  Transaction  number
```

```
            length
            SET Registration Transaction Number attribute
            PERFORM 3000-FSET
        ENDIF
    ELSE
            MOVE cursor to Registration Transaction Number
            Length
            SET Registration Transaction Number attribute
            MOVE Operator Instruction to MSG-Line
            PERFORM 3000-FSET
    ENDIF
    IF COM-OPER-SIN not equal
        COM-RT-ENTRY-OPER-SIN OR
        COM-RT-SENSITIVITY-INDICATION = '1'
        MOVE WARNING MESSAGE TO OUTPUT MESSAGE LINE
        MOVE CURSOR TO REGISTRATION TRANSACTION NUMBER LENGTH
        SET ATTRIBUTE
        PERFORM 3000-FSET
    ENDIF
    IF COM-RT-TRANSACTION-TYPE = '0' OR 'M' OR 'A' OR 'R'
        IF COM-RT-STATUS = '11' OR '15' OR '19'
            PERFORM 2000-PROCESS-TRANSACTION
        ELSE
            MOVE CURSOR TO REGISTRATION TRANSACTION NUMBER
            LENGTH
            SET ATTRIBUTE
            MOVE WARNING MESSAGE TO OUTPUT MESSAGE LINE
```

```
            PERFORM 3000-FSET
          ENDIF
      ENDIF
2000-PROCESS-TRANSACTION SECTION
```

Processing logic is identical to logic outlined for Program ERKP020 - Modify Individual Record; paragraph 2000-SITUP with the following modification:

ADD - MOVE COM-RT-REGISTRATION TRANSACTION NUMBER TO OUTPUT REGISTRATION TRANSACTION NUMBER

CHG - MOVE 'ERKS020' TO MOVE `ERKS050'

ADD - MOVE 'ERKP050' TO COM-ORIGIN-PROG

```
            'ERKP910' TO COM-DESTIN-PROG
          MOVE 'K910' TO COM-TRAN-ID
          MOVE 'ERKS910S' TO COM-PANEL-SET
4800-RESEND-MAP
      EXEC CICS SEND
           MAPSET  (COM-PANEL-SET)
           MAP  (COM-PANEL)
           FREEKB
           ERASE
           FSET
           CURSOR
      END-EXEC
      PERFORM 7000-BASIC-RETURN
4900-XCTL
      EXEC CICS XCTL
           PROGRAM  (COM-DESTIN-PROG)
           COMMAREA  (DFHCOMMAREA-W)
```

```
            LENGTH   (COM-LENGTH)
        END-EXEC
7000-SEND-INITIAL-MAPS
        EXEC CICS SEND
            MAPSET   (COM-PANEL-SET)
            MAP   (COM-PANEL)
            FREEKB
            ERASE
            FSET
            CURSOR
        END-EXEC
7000-BASIC-RETURN
        EXEC CICS RETURN
            TRANSID (COM-TRAN-ID)
            COMMAREA (DFH-COMMAREA-W)
            LENGTH (COM-LENGTH)
        END-EXEC
```

PROGRAM DESCRIPTION

System: Registration — Date f.c.: 31 July 1984

Subsystem: Individuals Registration — Date l.u.: 14 Aug 1984

Function: Auditor Processing — Phase: 2

Program: ERKP110 - Audit Original Application

CICS Trans ID: K110

Author: SWB

Description:

The Audit Original Application subprogram provides for audit processing of original registration application transactions on the Registration Transaction Database. For system integrity purposes the registration application processing is accomplished in several steps in order to provide for the separation of function.

In order for the Auditor to process an application, the Data Entry Clerk must have already entered the application data using the Original Application Entry subprogram. The Auditor evaluates the application by referencing the Individual Registration Application Form and supporting documentation such as the individual's birth certificate. The Auditor is also provided a copy of the Individual Registration Statement which contains the Registration Transaction Number assigned to the application and the Part I and Part II data for the individual as entered by the Data Entry Clerk. The Auditor has two main audit responsibilities:

- o Verify that the transaction data fields are accurate
- o Check for duplication - determine if this individual is already registered.

In order to verify the accuracy of the data, the auditor performs a visual inspection of the supporting documents. If for any reason, the Auditor is not satisfied with the application, he/she can reject it or give it to an inspector for a detailed investigation.

In order to check for duplication, the auditor performs a scan of the National Names Database to determine if the individual's name, qualified by other Part I data, already exists. If matching records already exist on the National Names Database the National Individuals Database is referenced for a

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more detailed evaluation based on Part II data. The Duplication Check Subprogram is invoked directly out of this subprogram to facilitate this evaluation. If the Auditor is not satisfied that the individual is not already registered, he/she can delete the transaction or give it to an inspector for a detailed investigation.

If the Auditor is satisfied with the application, the registration application is posted by this subprogram:

- The next available SIN is obtained from the Control Database
- Records for the individual are added to the National Individual Names Database and the National Individuals Database
- The registration transaction is given a STATUS-CODE that indicates that an ID card needs to be produced.

For transactions that have completed the Data Entry process, the main processing steps of Audit Original Application are:

- The Auditor enters the Registration Transaction number
- The program gets the transaction from the Registration Transaction Database, expands coded values using the Tables Database and displays the transaction on the screen
- The Auditor verifies that it is the correct transaction for processing
- The program updates the Registration Transaction Database to place the transaction in status "in-audit." The Duplication Check subprogram is invoked
- This program receives control back from the Duplication Check subprogram. If the return status indicates that the application is approved then the National Individuals Names Database and the National Individuals Database are posted with the new records. The transaction on the Registration Transaction Database is updated with the status code for "ID Card Required." A response is provided to the screen for "successful update."

INPUTS:

Files: Tables, Control, Registration Transaction and National Individuals Databases

Screens: Audit Original Application (ERKS110)

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Reports: Individual Registration Statement

Documents: Birth Certificate, Other Supporting Documents, Individual Registration Application Form

OUTPUTS:

Files: Control, Registration Transaction, National Individuals and National Names Databases

Screens: Audit Original Application (ERKS110)

Reports: None

Documents: None

INTERFACE:

Invoked by: Registration Driver Module

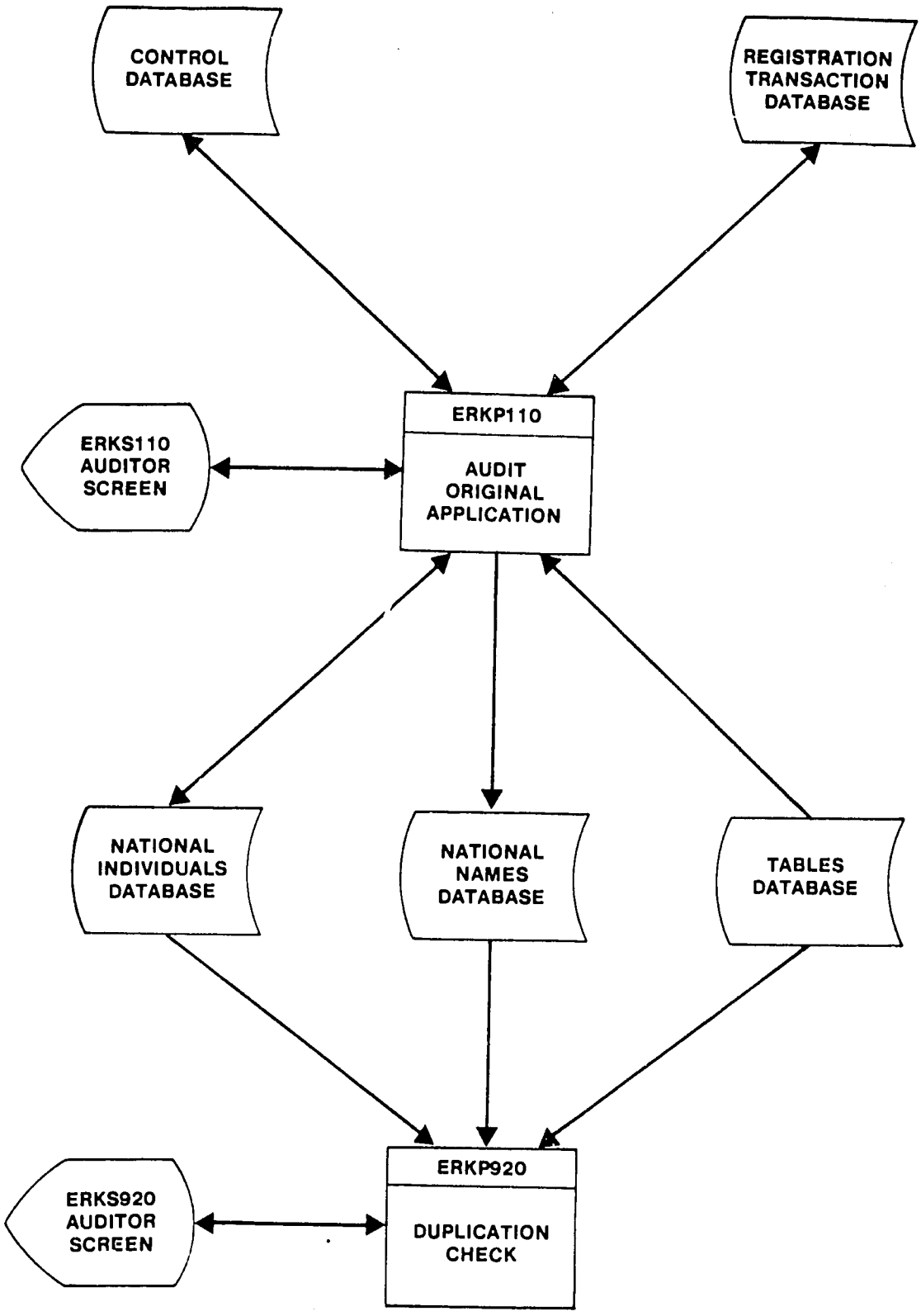
Transfers to: Registration Driver Module

STANDARD MODULES:

Name: Duplication Check (ERKP020)

Function: Check to see if the individual is already in the National Individuals Database.

PROGRAM I/O DIAGRAM
AUDIT ORIGINAL APPLICATION



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PROCESSING LOGIC:

```
0000-MAIN-PROCESS
     IF COM-PROGRAM-STATE = 1
          GO TO 1000-INITIALIZATION
     ELSE
     IF COM-PROGRAM-STATE = 2
          GO TO 2000-PROCESS-FIRST-SCREEN
     ELSE
     IF COM-PROGRAM-STATE = 3
          GO TO 3000-PROCESS-SUBSEQUENT-SCREENS
     ENDIF
     SET MESSAGE-CODE TO 'PROGRAM STATE ERROR'
     PERFORM 9950-MESSAGE-PROCESSING
     PERFORM 0920-SEND-SCREEN
     SET COM-PROGRAM-STATE TO 9999
     GO TO 9999-TERMINATE
0920-SEND-SCREEN
     EXEC CICS SEND
          FROM (MSG-LINE)
          LENGTH (79)
          ERASE
     END-EXEC
1000-INITILIZATION
     SET COM-PANEL TO MAP-NAME (ERKS110)
     SET COM-PANEL-SET TO MAP-SET-NAME (ERKS110S)
     SET COM-TRAN-ID TO PROGRAM-TRANSACTION-ID (K110)
     SET COM-ACTIVE-PFKS TO NULL
     SET COM-DUPLICATION-CHECK-COMPLETED TO NO
```

```
      IF COM-USERTYPE NOT = AUDITOR
           SET MESSAGE-CODE TO 'INVALID ACCESS'
           PERFORM 9950-MESSAGE-PROCESSING
           PERFORM 1920-SEND-SCREEN
           SET COM-PROGRAM-STATE TO 9999
           GO TO 9999-TERMINATE
      ENDIF
      SET COM-ACTIVE-PFKS TO 'EXIT'
                             'ENTER KEY'
      PERFORM 1920-SEND-SCREEN
      SET COM-PROGRAM-STATE TO 2
      GO TO 1999-RETURN
1900-SEND-SCREEN
      EXEC CICS SEND
           MAPSET (COM-PANEL-SET)
           MAP (COM-PANEL)
           FREEKB
           ERASE
           FSET
           CURSOR
      END-EXEC
1999-RETURN
      EXEC CICS RETURN
           TRANSID (COM-TRAN-ID)
           COMMAREA (DFHCOMMAREA-W)
           LENGTH (COM-LENGTH)
      END-EXEC
```

```
2000-PROCESS-FIRST-SCREEN
     PERFORM 2910-RECEIVE-SCREEN
     IF PFK-EXIT
          SET MESSAGE-CODE TO 'PROGRAM TERMINATED'
          PERFORM 9950-MESSAGE-PROCESSING
          PERFORM 2920-SEND-SCREEN
          SET COM-PROGRAM-STATE TO 9999
          GO TO 9999-TERMINATE
     ENDIF
     SET SSA1 TO LOW-VALUES
     SET SSA1-REGISTRATION-TRANSACTION NUMBER TO
     MAP-REGISTRATION-TRANSACTION-NUMBER
     CALL 'CBLTDLI' FOR GET UNIQUE
     INDIVIDUAL-REGISTRATION-RECORD GREATER THAN SSA1
     IF  NOT FOUND OR REGISTRATION-TRANSACTION-NUMBER NOT =  MAP-
     REGISTRATION-TRANSACTION-NUMBER
          SET MESSAGE-CODE to 'NOT FOUND'
          PERFORM 9950-MESSAGE-PROCESSING
          PERFORM 2920-SEND-SCREEN
          GO TO 2999-RETURN
     ENDIF
     IF TRANSACTION-TYPE NOT = 'O' (for original entry)
          SET  MESSAGE-CODE to 'NOT ORIGINAL APPLICATION
          TRANSACTION - TRY AGAIN'
          PERFORM 9950-MESSAGE-PROCESSING
          PERFORM 2920-SEND-SCREEN
          GO TO 2999-RETURN
```

```
ENDIF

IF  STATUS-CODE  = '15' OR '21' OR '25' OR '22' OR  '23'  OR
'29'
     NEXT SENTENCE
ELSE
     SET MESSAGE-CODE TO 'INVALID ACCESS'
     PERFORM 9950-MESSAGE-PROCESSING
     PERFORM 2920-SEND-SCREEN
     GO TO 2999-RETURN
ENDIF
IF (STATUS-CODE = '21' OR '25' OR '22' OR '23' OR '29') AND
     AUDIT-SIN OF INDIVIDUAL-REGISTRATION-RECORD NOT = COM-
     USER-SIN
     SET MESSAGE-CODE TO 'INVALID ACCESS'
     PERFORM 9950-MESSAGE-PROCESSING
     PERFORM 2920-SEND-SCREEN
     GO TO 2999-RETURN
ENDIF
ACCESS TABLES DATABASE TO GET DESCRIPTIONS FOR CODED FIELDS
FORMAT SCREEN MAP FROM INDIVIDUAL-REGISTRATION-RECORD, CODE-
DESCRIPTIONS, STATUS-CODE DESCRIPTION
IF STATUS-CODE = '15' OR '25' OR '29'
     SET COM-ACTIVE-PFKS TO 'EXIT'
                            'SELECT FOR AUDIT'
ELSE
IF STATUS-CODE = '21' OR '22'
     SET COM-ACTIVE-PFKS TO 'EXIT'
```

```
                                        'AUDIT FAILED...INSPECTION
                                        REQUIRED

                                        'AUDIT FAILED...DELETE'
                                        'DUPLICATION CHECK'

      ELSE

      IF STATUS-CODE = '23'

           SET COM-ACTIVE-PFKS TO 'EXIT'

                                        'AUDIT FAILED...INSPECTION
                                        REQUIRED'

                                        'AUDIT FAILED...DELETE'

      ENDIF

      PERFORM 2920-SEND-SCREEN

      SET COM-PROGRAM-STATE TO 3

      GO TO 2999-RETURN

2910-RECEIVE-SCREEN

      EXEC CICS RECEIVE

           MAPSET (COM-PANEL-SET)

           MAP (COM-PANEL)

           SET (COM-PANEL-POINTER)

      END-EXEC

2920-SEND-SCREEN

      EXEC CICS SEND

           MAPSET (COM-PANEL-SET)

           MAP (COM-PANEL)

           FREEKB

           ERASE

           FSET

           CURSOR

      END-EXEC
```

```
2999-RETURN

    EXEC CICS RETURN

        TRANSID (COM-TRAN-ID)

        COMMAREA (DFHCOMMAREA-W)

        LENGTH (COM-LENGTH)

    END-EXEC
```

```
3000-PROCESS-SUBSEQUENT-SCREENS
     PERFORM 3910-RECEIVE-SCREEN
     IF PFK-SELECT-FOR-AUDIT
          SET NEW-STATUS TO '21'
          PERFORM 3100-UPDATE-STATUS
     ELSE
     IF PFK-AUDIT-FAILED-INSPECTION-REQUIRED
          SET NEW-STATUS TO '25'
          PERFORM 3100-UPDATE-STATUS
     ELSE
     IF PFK-AUDIT-FAILED-DELETE
          SET NEW-STATUS TO '29'
          PERFORM 3100-UPDATE-STATUS
     ELSE
     IF PFK-DUPLICATION-CHECK
          PERFORM 3200-XCTL-TO-DUP-CHECK
     ELSE
     IF PFK-AUDIT-PASSED
          PERFORM 3300-POST-TRANSACTION
          SET NEW-STATUS TO '26'
          PERFORM 3100-UPDATE-STATUS
     ELSE
     IF PFK-EXIT
          SET MESSAGE-CODE TO 'PROGRAM TERMINATED'
          PERFORM 9950-MESSAGE-PROCESSING
          PERFORM 3920-SEND-SCREEN
```


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```
        SET COM-PROGRAM-STATE TO 9999

        GO TO 9999-TERMINATE

    ENDIF

    IF STATUS-CODE = '25' OR '29'

        SET COM-ACTIVE PFKS TO 'EXIT'

                                'SELECT FOR AUDIT'

    ELSE

    IF STATUS-CODE = '21' OR '22'

        IF COM-DUPLICATION-CHECK-COMPLETED = NO

            SET COM-ACTIVE-PFKS TO 'EXIT'

                                    'AUDIT FAILED...INSPECTION
                                    REQUIRED'

                                    'AUDIT FAILED...DELETE'

                                    'DUPLICATION CHECK'

        ELSE

        SET COM-ACTIVE-PFKS TO 'EXIT'

                                'AUDIT FAILED...INSPECTION
                                REQUIRED'

                                'AUDIT FAILED...DELETE'

                                'DUPLICATION CHECK'

                                'AUDIT PASSED...UPDATE DATABASE'

    ELSE

    IF STATUS-CODE = '23'

        SET COM-ACTIVE-PFKS TO 'EXIT'

                                'AUDIT FAILED...INSPECTION
                                REQUIRED'

                                'AUDIT FAILED...DELETE'

    ENDIF

    PERFORM 3920-SEND-SCREEN
```

```
      GO TO 3999-RETURN

 3100-UPDATE-STATUS
      SET SSA1 TO INDIVIDUAL-REGISTRATION-RECORD-KEY
      CALL 'CBLTDLI' FOR GET HOLD UNIQUE REGISTRATION-TRANSACTION-
      RECORD EQUAL TO SSA1
      SET STATUS-CODE TO NEW-STATUS
      SET STATUS-CHANGE-DATE TO INTERNAL-CURRENT-DATE
      SET AUDIT-DATE TO INTERNAL-CURRENT-DATE
      SET AUDIT-SIN TO COM-USER-SIN
      CALL 'CBLTDLI' FOR REPLACE REGISTRATION-TRANSACTION-RECORD
 3200-XCTL-TO-DUP-CHECK
      SET COM-CALLING-PGM TO 'ERKP110'
      EXEC CICS XCTL
           PROGRAM ('ERKP920')
           COMMAREA (DFHCOMMAREA-W)
           LENGTH (COM-LENGTH)
      END-EXEC
 3300-POST-TRANSACTION
      FORMAT INDIVIDUAL-NAME-RECORD FROM REGISTRATION-TRANSACTION-
      RECORD
      CALL 'CBLTDLI' FOR INSERT INDIVIDUAL-NAME-RECORD
      FORMAT   INDIVIDUAL-RECORD  FROM   REGISTRATION-TRANSACTION-
      RECORD
      CALL 'CBLTDLI' FOR INSERT INDIVIDUAL-RECORD.
 3910-RECEIVE-SCREEN
      EXEC CICS RECEIVE
           MAPSET (COM-PANEL-SET)
```

```
            MAP (COM-PANEL)
            SET (COM-PANEL-POINTER)
        END EXEC
3920-SEND-SCREEN
        EXEC CICS SEND
            MAPSET (COM-PANEL-SET)
            MAP (COM-PANEL)
            FREEKB
            ERASE
            FSET
            CURSOR
        END-EXEC
3999-RETURN
        EXEC CICS RETURN
            TRANSID (COM-TRAN-ID)
            COMMAREA (DFHCOMMAREA-W)
            LENGTH (COM-LENGTH)
        END-EXEX

9950-MESSAGE-PROCESSING
        FORMAT MSG-LINE FROM MESSAGE-COD
9999-TERMINATE
        SET COM-TRAN-ID TO 'REGISTRATION DRIVER'
        EXEC CICS RETURN
            TRANSID (COM-TRAN-ID)
            COMMAREA (DFHCOMMAREA-W)
            LENGTH (COM-LENGTH)
        END-EXEC
```


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PROGRAM DESCRIPTION

System: Registration

Date f.c.: 31 July 1984

Subsystem: Individuals Registration

Date l.u.: 14 Aug 1984

Function: Auditor Processing

Phase: 2

Program: ERKP120 - Audit Modification

CICS Trans ID: K120

Author: SWB

Description:

The Audit Modification subprogram provides for audit processing of address change and other modification to the personal data for existing registered individuals.

In order for the Auditor to process a modification transaction, the Data Entry Clerk must have already entered the changed data using either the Modify Individual Record or the Change Address subprograms. The Auditor evaluates the request for a change by referencing the Individual Registration Change Form or the Individual Address Change Form. The Registration Transaction number is written on these forms at the time of Data Entry. The Auditor has two main audit responsibilities:

- Verify that the change transaction data fields are accurate
- If Part I data was modified, perform a duplication check to determine if the new Part I data is already on file.

The duplication check processing is the same as in Audit Original Application. For transactions that have completed the Data Entry Processing, the main processing steps of Audit Modification are:

- The Auditor enters the Registration Transaction Number
- The program gets the transaction from the Registration Transaction Database, expands coded values using the Tables Database and displays the transaction on the screen.

- The auditor verifies that it is the correct transaction for processing.

- The program updates the Registration Transaction Database to place the transaction in status "in-audit." If Part I data was changed, the Duplication Check Subprogram is invoked, otherwise the screen is displayed for transaction approval verification.

- If the Duplication Check Subprogram was invoked, the program receives control back. The results are displayed on the screen for verification.

- The Auditor approves the transaction.

- The program updates the National Individuals Database with the new data. If Part I data was changed, the National Individual Names Database is updated. If ID card data was modified the new status code for the transaction becomes "ID card required" otherwise just "successful update."

The Registration Transaction File contains two records to support the Audit Modification processing, one containing the original Individual Record from the National Individuals Database and one containing the modifications. This program will get both records in order to be able to highlight the fields that were changed on the terminal screen to allow the Auditor to quickly determine if the change was correctly entered. If the Auditor wishes to see the old values in the changed fields a program function key (PFK) will provide the display of the original record. If the Auditor wishes to correct some of the entries made by the Data Entry Clerk then the Maintain Registration Transaction must be used.

Another purpose of keeping the original individual record on the transaction database is to allow it to be compared to the Individuals record on the National Individuals Database just prior to posting the update. If Part I or Part II data changed between the time this transaction was started by the Data Entry Clerk and the time it was approved by the Auditor then this transaction will be rejected. This would mean that multiple change transactions were entered with overlapping time periods. The corrective action would be to delete this transaction and start a new transaction at the Data Entry Clerk stage.

INPUTS:

Files: Tables, Registration Transaction and National Individuals Databases

Screens: Audit Modification (ERKS120)

Reports: None

Documents: Individual Registration Change Data Form or Individual Address Change Form, Other Supporting Documents

OUTPUTS:

Files: Registration Transaction, National Individuals, (National Names if Part I Data Changed) Databases

Screens: Audit Modification (ERKS120)

Reports: None

Documents: None

INTERFACE:

Invoked by: Registration Driver Module

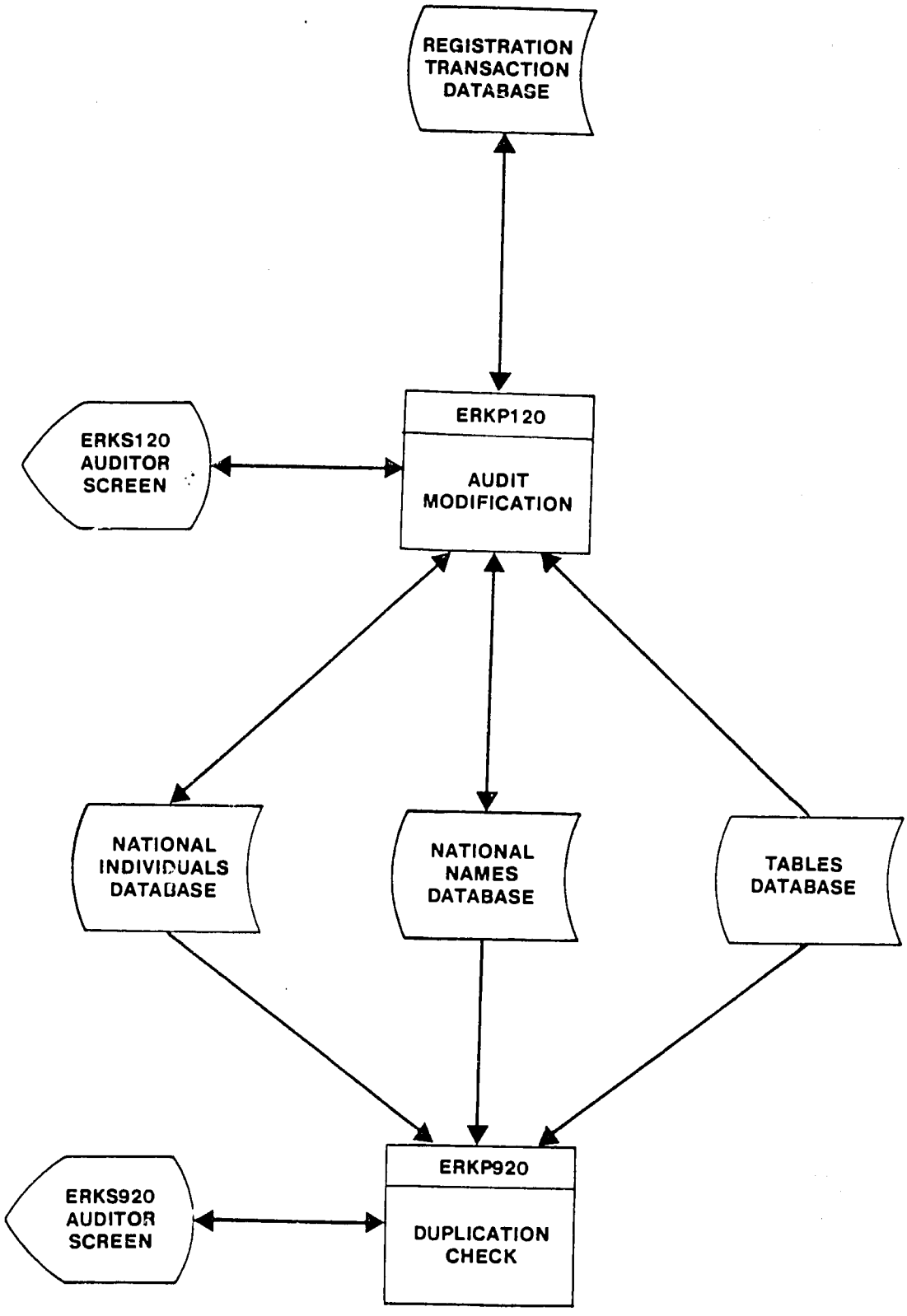
Transfers to: Registration Driver Module

STANDARD MODULES:

Name: Duplication Check (ERKP920)

Function: Check to see if the individual is already in the National Individuals Database (If Part I data changed).

PROGRAM I/O DIAGRAM
AUDIT MODIFICATION



```
PROCESSING LOGIC
0000-MAIN-PROCESS
     IF COM-PROGRAM-STATE = 1
          GO TO 1000-INITIALIZATION
     ELSE
     IF COM-PROGRAM-STATE = 2
          GO TO 2000-PROCESS-FIRST-SCREEN
     ELSE
     IF COM-PROGRAM-STATE = 3
          GO TO 3000-PROCESS-SUBSEQUENT-SCREENS
     ENDIF
     SET MESSAGE-CODE TO 'PROGRAM STATE ERROR'
     PERFORM 9950-MESSAGE-PROCESSING
     PERFORM 0920-SEND-SCREEN
     SET COM-PROGRAM-STATE TO 9999
     GO TO 9999-TERMINATE
0920-SEND-SCREEN
     EXEC CICS SEND
          FROM (MSG-LINE)
          LENGTH (79)
          ERASE
     END-EXEC
1000-INITILIZATION
     SET COM-PANEL TO MAP-NAME (ERKS120)
     SET COM-PANEL-SET TO MAP-SET-NAME (ERKS120S)
     SET COM-TRAN-ID TO PROGRAM-TRANSACTION-ID (K120)
     SET COM-ACTIVE PFKS TO NULL
     IF COM-USERTYPE NOT = AUDITOR
```

```
            SET MESSAGE-CODE TO 'INVALID ACCESS'
            PERFORM 9950-MESSAGE-PROCESSING
            PERFORM 1920-SEND-SCREEN
            SET COM-PROGRAM-STATE TO 9999
            GO TO 9999-TERMINATE
        ENDIF
        SET COM-ACTIVE PFKS TO 'EXIT'
                               'ENTER KEY'
        PERFORM 1920-SEND-SCREEN
        SET COM-PROGRAM-STATE TO 2
        GO TO 1999-RETURN
1920-SEND-SCREEN
        EXEC CICS SEND
             MAPSET (COM-PANEL-SET)
             MAP (COM-PANEL)
             FREEKB
             ERASE
             FSET
             CURSOR
        END-EXEC
1999-RETURN
        EXEC CICS RETURN
             TRANSID (COM-TRAN-ID)
             COMMAREA (DFHCOMMAREA-W)
             LENGTH (COM-LENGTH)
        END-EXEC.
```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```
2000-PROCESS-FIRST-SCREEN
    IF PFK-EXIT
        SET MESSAGE-CODE TO 'PROGRAM TERMINATED'
        PERFORM 9950-MESSAGE-PROCESSING
        PERFORM 2920-SEND-SCREEN
        SET COM-PROGRAM-STATE TO 9999
        GO TO 9999-TERMINATE
    ENDIF
    SET SSA1 TO LOW-VALUES
    SET SSA1-REGISTRATION-TRANSACTION-NUMBER TO
    MAP-REGISTRATION-TRANSACTION-NUMBER
    CALL 'CBLTDLI' FOR GET UNIQUE INDIVIDUAL-REGISTRATION-RECORD
    GREATER THAN SSA1
    IF NOT FOUND OR REGISTRATION-TRANSACTION-NUMBER NOT =
        MAP-REGISTRATION-TRANSACTION-NUMBER
        SET MESSAGE-CODE TO 'NOT FOUND'
        PERFORM 9950-MESSAGE-PROCESSING
        PERFORM 2920-SEND-SCREEN
        GO TO 2999-RETURN
    ENDIF
    IF TRANSACTION TYPE NOT = 'M' AND 'A' (for modify and
    address change)
        SET MESSAGE-CODE TO 'NOT MODIFY OR ADDRESS CHANGE
        TRANSACTION - TRY AGAIN'
        PERFORM 9950-MESSAGE-PROCESSING
        PERFORM 2920-SEND-SCREEN
        GO TO 2999-RETURN
    ENDIF
```

```
IF  STATUS  CODE = '15' OR '21' OR '25' OR '22' OR  '23'  OR
'29'
     NEXT SENTENCE
ELSE
     SET MESSAGE-CODE TO 'INVALID ACCESS'
     PERFORM 9950-MESSAGE-PROCESSING
     PERFORM 2920-SEND-SCREEN
     GO TO 2999-RETURN
ENDIF
IF (STATUS CODE = '21' OR '25' OR '22' OR '23' OR '29')  AND
AUDIT-SIN OF INDIVIDUAL-REGISTRATION-RECORD NOT =
COM-USER-SIN
     SET MESSAGE-CODE TO 'INVALID ACCESS'
     PERFORM 9950-MESSAGE-PROCESSING
     PERFORM 2920-SEND-SCREEN
     GO TO 2999-RETURN
ENDIF
SET SSA1-RECORD-COUNT TO '9999'
CALL 'CBLTDLI' FOR GET NEXT ORIGINAL-INDIVIDUAL-
REGISTRATION-RECORD
ACCESS TABLES DATABASE TO GET DESCRIPTIONS FOR CODED FIELDS
FORMAT SCREEN-MAP FROM INDIVIDUAL-REGISTRATION-RECORD, CODE-
DESCRIPTIONS, STATUS-CODE DESCRIPTION
IF STATUS CODE = '15' OR '25' OR '29'
     SET COM-ACTIVE-PFKS TO `EXIT'
                            `SELECT FOR AUDIT'
ELSE
```


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```
IF STATUS-CODE = '21' OR '22'
     SET COM-ACTIVE-PFKS TO 'EXIT'
                            'AUDIT FAILED...INSPECTION
                            REQUIRED'
                            'AUDIT PASSED..UPDATE DATABASE'
                            'AUDIT FAILED...DELETE'
                            'DUPLICATION CHECK'
ELSE
IF STATUS CODE = '23'
     SET COM-ACTIVE-PFKS TO 'EXIT'
                            'AUDIT FAILED...INSPECTION
                            REQUIRED'
                            'AUDIT FAILED...DELETE'
ENDIF
PERFORM 2920-SEND-SCREEN
SET COM-PROGRAM-STATE TO 3
GO TO 2999-RETURN
2910-RECEIVE-SCREEN
EXEC CICS RECEIVE
     MAPSET (COM-PANEL-SET)
     MAP (COM-PANEL)
     SET (COM-PANEL-POINTER)
END-EXEC
2920-SEND-SCREEN
EXEC CICS SEND
     MAPSET (COM-PANEL-SET)
     MAP (COM-PANEL)
     FREEKB
```

```
            ERASE
            FSET
            CURSOR
        END-EXEC
2999-RETURN
        EXEC CICS RETURN
            TRANSID (COM-TRAN-ID)
            COMMAREA (DFHCOMMAREA-W)
            LENGTH (COM-LENGTH)
        END-EXEC

3000-PROCESS-SUBSEQUENT-SCREENS
        PERFORM 3910-RECEIVE-SCREEN
        IF PFK-SELECT-FOR-AUDIT
            SET NEW-STATUS TO '21'
            PERFORM 3100-UPDATE-STATUS
        ELSE
        IF PFK-AUDIT-FAILED-INSPECTION-REQUIRED
            SET NEW-STATUS TO '25'
            PERFORM 3100-UPDATE-STATUS
        ELSE
        IF PFK-AUDIT-FAILED-DELETE
            SET NEW-STATUS TO '29'
            PERFORM 3100-UPDATE-STATUS
        ELSE
        IF PFK-DUPLICATION-CHECK
            PERFORM 3200-XCTL-TO-DUP-CHECK
        ELSE
```

```
IF PFK-AUDIT-PASSED
      PERFORM 3300-POST-TRANSACTION
      IF ID-CARD-DATA-CHANGED
          SET NEW-STATUS TO '26'
      ELSE
          SET NEW-STATUS TO '28'
      ENDIF
      PERFORM 3100-UPDATE-STATUS
ELSE
IF PFK-EXIT
      SET MESSAGE-CODE TO 'PROGRAM TERMINATED'
      PERFORM 9950-MESSAGE-PROCESSING
      PERFORM 3920-SEND-SCREEN
      SET COM-PROGRAM-STATE TO 9999
      GO TO 9999-TERMINATE
ENDIF
IF STATUS-CODE = '25' OR '29'
      SET COM-ACTIVE-PFKS TO 'EXIT'
                              'SELECT FOR AUDIT'
ELSE
IF STATUS-CODE = '21' OR '22'
      SET COM-ACTIVE PFKS TO 'EXIT'
                              'AUDIT FAILED...INSPECTION
                              REQUIRED'
                              'AUDIT FAILED...DELETE'
                              'DUPLICATION CHECK'
                              'AUDIT PASSED...UPDATE DATABASE'
ELSE
```

```
      IF STATUS-CODE = '23'
           SET COM-ACTIVE PFKS TO 'EXIT'
                                  'AUDIT FAILED...INSPECTION
                                  REQUIRED'
                                  'AUDIT FAILED...DELETE'
      ENDIF
      PERFORM 3920-SEND-SCREEN
      GO TO 3999-RETURN
 3100-UPDATE-STATUS
      SET SSA1 TO INDIVIDUAL-REGISTRATION-RECORD-KEY
      CALL 'CBLTDLI' FOR GET HOLD UNIQUE
      REGISTRATION-TRANSACTION-RECORD EQUAL TO SSA1
      SET STATUS-CODE TO NEW-STATUS
      SET STATUS-CHANGE-DATE TO INTERNAL-CURRENT-DATE
      SET AUDIT-DATE TO INTERNAL-CURRENT-DATE
      SET AUDIT-SIN TO COM-USER-SIN
      CALL 'CBLTDLI' FOR REPLACE REGISTRATION-TRANSACTION-RECORD
 3200-XCTL-TO-DUP-CHECK
      SET COM-CALLING-PGM TO 'ERKP120'
      EXEC CICS XCTL
           PROGRAM ('ERKP920')
           COMMAREA (DFHCOMMAREA-W)
           LENGTH (COM-LENGTH)
      END-EXEC
 3300-POST-TRANSACTION
      SET SSA2 TO INDIVIDUAL-ISIN
      CALL 'CBLTDLI' FOR GET HOLD UNIQUE CURRENT-INDIVIDUAL-RECORD
      EQUAL TO SSA2
```

```
IF   CURRENT-INDIVIDUAL-RECORD  NOT  =  ORIGINAL-INDIVIDUAL-
RECORD
     SET NEW-STATUS TO 29
     PERFORM 3100-UPDATE-STATUS
     SET  MESSAGE-CODE TO 'UPDATE ABORTED...RECORD  MODIFIED
     ELSEWHERE'
     PERFORM 9950-MESSAGE-PROCESSING
     PERFORM 3920-SEND-SCREEN
     SET COM-PROGRAM-STATE TO 9999
     GO TO 9999-TERMINATE
ELSE
     CALL 'CBLTDLI' FOR REPLACE CHANGED-INDIVIDUAL-RECORD
ENDIF
IF PART-I-DATA-CHANGED
     FORMAT  INDIVIDUAL-NAME-KEY  FROM   ORIGINAL-INDIVIDUAL
     TRANSACTION-RECORD
     SET SSA3 TO INDIVIDUAL-NAME-KEY
     CALL  'CBLTDLI'  FOR GET HOLD  UNIQUE  INDIVIDUAL-NAME-
     RECORD EQUAL TO SSA3
     SET INDIVIDUAL-STATUS-CODE OF INDIVIDUAL-NAME-RECORD TO
     'PART-I-DATA-CHANGED'
     CALL 'CBLTDLI' FOR REPLACE INDIVIDUAL-NAME-RECORD
     FORMAT  INDIVIDUAL-NAME-KEY  FROM   CHANGED-INDIVIDUAL-
     TRANSACTION-RECORD
     SET SENSITIVITY-INDICATOR TO ORIGINAL-SENSITIVITY INDI-
     CATOR
     CALL 'CBLTDLI' FOR INSERT INDIVIDUAL-NAME-RECORD
```

```
      ENDIF
 3910-RECEIVE-SCREEN
      EXEC CICS RECEIVE
           MAPSET (COM-PANEL-SET)
           MAP (COM-PANEL)
           SET (COM-PANEL-POINTER)
      END EXEC
 3920-SEND-SCREEN
      EXEC CICS SEND
           MAPSET (COM-PANEL-SET)
           MAP (COM-PANEL)
           FREEKB
           ERASE
           FSET
           CURSOR
      END-EXEC
 3999-RETURN
      EXEC CICS RETURN
           TRANSID (COM-TRAN-ID)
           COMMAREA (DFHCOMMAREA-W)
           LENGTH (COM-LENGTH)
      END-EXEC

 9950-MESSAGE-PROCESSING
      FORMAT MSG-LINE FROM MESSAGE-CODE
 9999-TERMINATE
      SET COM-TRAN-ID TO 'REGISTRATION DRIVER'
      EXEC CICS RETURN
```

```
        TRANSID (COM-TRAN-ID)
        COMMAREA (DFHCOMMAREA-W)
        LENGTH (COM-LENGTH)
END-EXEC
```

PROGRAM DESCRIPTION

System: Registration — Date f.c.: 31 July 1984

Subsystem: Individuals Registration — Date l.u.: 16 Aug 1984

Function: Auditor Processing — Phase: 2

Program: ERKP130 - Audit Reissue Request

CICS Trans ID: K130

Author: SWB

Description:

The Audit Reissue Request subprogram provides for the audit of ID Card reissue requests.

In order for the Auditor to process a reissue request, the Data Entry Clerk must have already established the transaction on the Registration Transaction Database. The Auditor evaluates the ID Card Reissue Form and determines if the correct SIN has been referenced on the transaction. The Auditor uses the NUMBER-OF-ID-CARDS-ISSUED field to assist in the evaluation of the transaction. If the Auditor approves the transaction the National Individuals Database is updated to increment the NUMBER-OF-ID-CARDS-ISSUED field and the Registration Transaction Database is updated to provide a status code of "ID Card Issue Required."

For transactions that have completed the Data Entry Process, the main processing steps of Audit Reissue Request are:

- The Auditor enters the Registration Transaction Number
- The program gets the transaction from the Registration Transaction Database, expands coded values using the Tables Database and displays the transaction on the screen.
- The Auditor verifies that it is the correct transaction for processing.
- The program updates the Registration Transaction Database to place the transaction in status "in-audit". The screen is displayed a second time for update verification.

- The auditor verifies that an ID card should be reissued.
- The program updates the National Individuals Database to increment the NUMBER-OF-ID-CARDS-ISSUED field and updates the Registration Transaction Database to a status code of "ID Card issue required."

INPUTS:

Files: Tables, Registration Transaction Databases

Screens: Audit Reissue Request (ERKS130)

Reports: None

Documents: Individual ID Card Reissue Form

OUTPUTS:

Files: Registration Transaction, National Individuals Databases

Screens: Audit Reissue Request (ERKS130)

Reports: None

Documents: None

INTERFACE:

Invoked by: Registration Driver Module

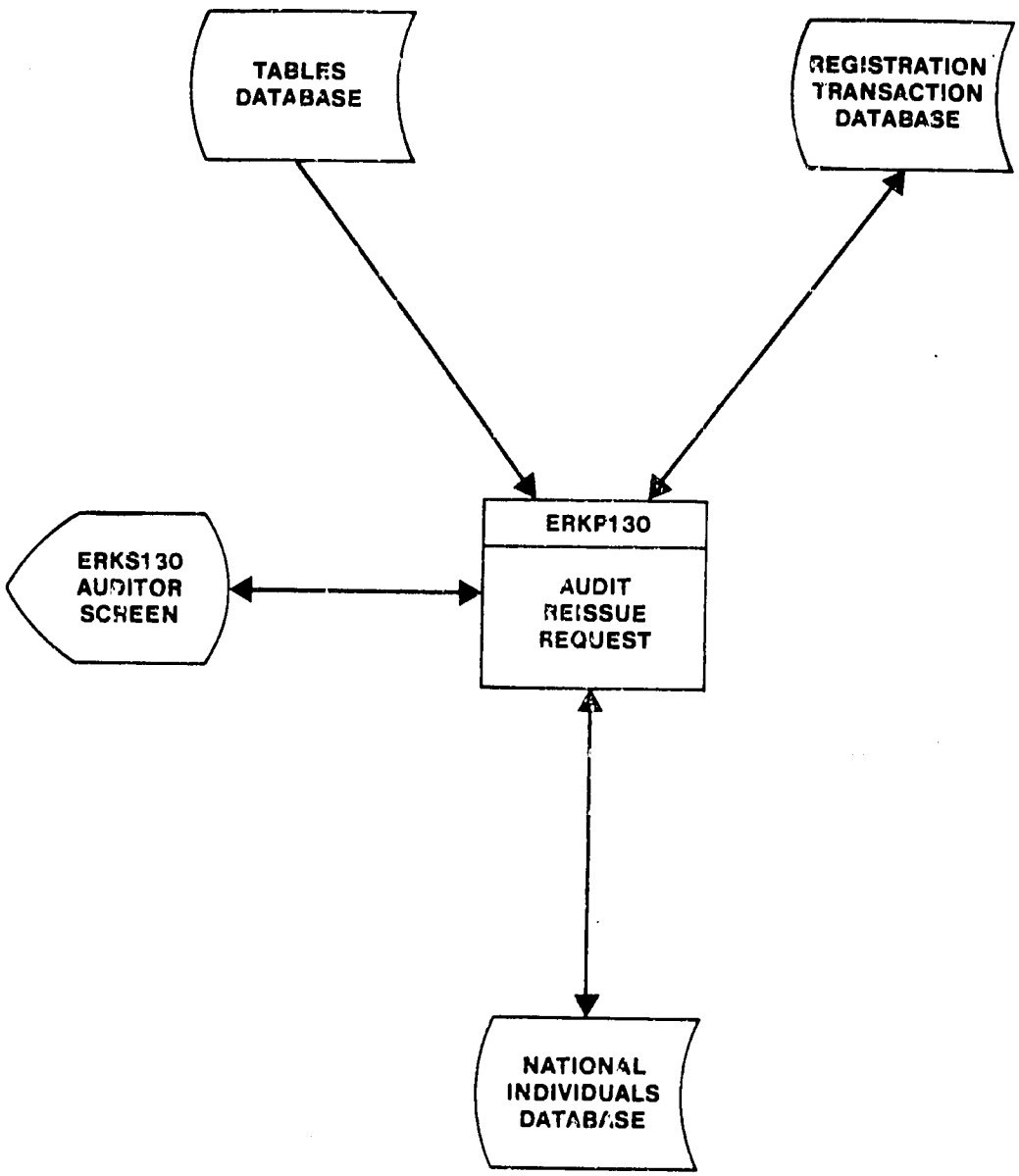
Transfers to: Registration Driver Module

STANDARD MODULES:

Name: None

Function:

PROGRAM I/O DIAGRAM
AUDIT REISSUE REQUEST



90

```
PROCESSING LOGIC
0000-MAIN-PROCESS
     IF COM-PROGRAM-STATE = 1
          GO TO 1000-INITIALIZATION
     ELSE
     IF COM-PROGRAM-STATE = 2
          GO TO 2000-PROCESS-FIRST-SCREEN
     ELSE
     IF COM-PROGRAM-STATE = 3
          GO TO 3000-PROCESS-SUBSEQUENT-SCREENS
     ENDIF
     SET MESSAGE-CODE TO 'PROGRAM STATE ERROR'
     PERFORM 9950-MESSAGE-PROCESSING
     PERFORM 0920-SEND-SCREEN
     SET COM-PROGRAM-STATE TO 9999
     GO TO 9999-TERMINATE
0920-SEND-SCREEN
     EXEC CICS SEND
          FROM (MSG-LINE)
          LENGTH (79)
          ERASE
     END-EXEC
1000-INITILIZATION
     SET COM-PANEL TO MAP-NAME (ERKS130)
     SET COM-PANEL-SET TO MAP-SET-NAME (ERKS130S)
     SET COM-TRAN-ID TO PROGRAM-TRANSACTION-ID (K130)
     SET COM-ACTIVE PFKS TO NULL
     IF COM-USERTYPE NOT = AUDITOR
```

```
            SET MESSAGE-CODE TO 'INVALID ACCESS'
            PERFORM 9950-MESSAGE-PROCESSING
            PERFORM 1920-SEND-SCREEN
            SET COM-PROGRAM-STATE TO 9999
            GO TO 9999-TERMINATE
        ENDIF
        SET COM-ACTIVE PFKS TO 'EXIT'
                               'ENTER KEY'
        PERFORM 1920-SEND-SCREEN
        SET COM-PROGRAM-STATE TO 2
        GO TO 1999-RETURN
1900-SEND-SCREEN
        EXEC CICS SEND
             MAPSET (COM-PANEL-SET)
             MAP (COM-PANEL)
             FREEKB
             FSET
             CURSOR
        END-EXEC
1999-RETURN
        EXEC CICS RETURN
             TRANSID (COM-TRAN-ID)
             COMMAREA (DFHCOMMAREA-W
             LENGTH (COM-LENGTH)
        END-EXEC.
```

```
2000-PROCESS-FIRST-SCREEN
     PERFORM 2910-RECEIVE-SCREEN
     IF PFK-EXIT
          SET MESSAGE-CODE TO 'PROGRAM TERMINATED'
          PERFORM 9950-MESSAGE-PROCESSING
          PERFORM 2920-SEND-SCREEN
          SET COM-PROGRAM-STATE TO 9999
          GO TO 9999-TERMINATE
     ENDIF
     SET SSA1 TO LOW-VALUES
     SET SSA1-REGISTRATION-TRANSACTION-NUMBER TO
     MAP-REGISTRATION-TRANSACTION-NUMBER
     CALL 'CBLTDLI' FOR GET UNIQUE INDIVIDUAL-REGISTRATION-RECORD
     GREATER THAN SSA1
     IF NOT FOUND OR REGISTRATION-TRANSATION-NUMBER
          NOT = MAP-REGISTRATION-TRANSACTION-NUMBER
          SET MESSAGE-CODE TO 'NOT FOUND'
          PERFORM 9950-MESSAGE-PROCESSING
          PERFORM 2920-SEND-SCREEN
          GO TO 2999-RETURN
     ENDIF
     IF  TRANSACTION  TYPE  NOT  = 'R' (for  reissue request)
          SET MESSAGE-CODE TO 'NOT REISSUE REQUEST TRANSACTION
          TRY AGAIN'
          PERFORM 9950-MESSAGE-PROCESSING
          PERFORM 2920-SEND-SCREEN
          GO TO 2999-RETURN
     ENDIF
```

```
IF  STATUS-CODE = '15' OR '21' OR '25' OR '22' OR  '23'  OR
'29'
     NEXT SENTENCE
ELSE
     SET MESSAGE-CODE TO 'INVALID ACCESS'
     PERFORM 9950-MESSAGE-PROCESSING
     PERFORM 2920-SEND-SCREEN
     GO TO 2999-RETURN
ENDIF
IF (STATUS-CODE = '21' OR '25' OR '22' OR '23' OR '29')  AND
AUDIT-SIN OF INDIVIDUAL-REGISTRATION-RECORD NOT = COM-USER-
SIN
     SET MESSAGE-CODE TO 'INVALID ACCESS'
     PERFORM 9950-MESSAGE-PROCESSING
     PERFORM 2920-SEND-SCREEN
     GO TO 2999-RETURN
ENDIF
ACCESS TABLES DATABASE TO GET DESCRIPTIONS FOR CODED FIELDS
FORMAT SCREEN-MAP FROM INDIVIDUAL-REGISTRATION-RECORD, CODE-
DESCRIPTIONS, STATUS-CODE DESCRIPTION
IF STATUS CODE = '15' OR '25' OR '29'
     SET COM-ACTIVE-PFKS TO `EXIT'
                            `SELECT FOR AUDIT'
ELSE
IF STATUS-CODE = '21' OR '22'
     SET COM-ACTIVE-PFKS TO 'EXIT'
                            'AUDIT FAILED...INSPECTION
                            REQUIRED'
```

```
                                        'AUDIT FAILED...DELETE'
      ELSE
      IF STATUS CODE = '23'
           SET COM-ACTIVE-PFKS TO 'EXIT'
                                        'AUDIT FAILED...INSPECTION
                                        REQUIRED'
                                        'AUDIT FAILED...DELETE'
      ENDIF
      PERFORM 2920-SEND-SCREEN
      SET COM-PROGRAM-STATE TO 3
      GO TO 2999-RETURN
2910-RECEIVE-SCREEN
      EXEC CICS RECEIVE
           MAPSET (COM-PANEL-SET)
           MAP (COM-PANEL)
           SET (COM-PANEL-POINTER)
      END-EXEC
2920-SEND-SCREEN
      EXEC CICS SEND
           MAPSET (COM-PANEL-SET)
           MAP  (COM-PANEL)
           FREEKB
           ERASE
           FEST
           CURSOR
      END-EXEC
2999-RETURN
      EXEC CICS RETURN
```

```
        TRANSID (COM-TRAN-ID)
        COMMAREA (DFHCOMMAREA-W)
        LENGTH (COM-LENGTH)
    END-EXEC
```

```
3000-PROCESS-SUBSEQUENT-SCREENS
     PERFORM 3910-RECEIVE-SCREEN
     IF PFK-SELECT-FOR-AUDIT
          SET NEW-STATUS TO '21'
          PERFORM 3100-UPDATE-STATUS
     ELSE
     IF PFK-AUDIT-FAILED-INSPECTION-REQUIRED
          SET NEW-STATUS TO '25'
          PERFORM 3100-UPDATE-STATUS
     ELSE
     IF PFK-AUDIT-FAILED-DELETE
          SET NEW-STATUS TO '29'
          PERFORM 3100-UPDATE-STATUS
     ELSE
     IF PFK-AUDIT-PASSED
          PERFORM 3200-POST-TRANSACTION
          SET NEW-STATUS TO '26'
          PERFORM 3100-UPDATE-STATUS
     ELSE
     IF PFK-EXIT
          SET MESSAGE-CODE TO 'PROGRAM TERMINATED'
          PERFORM 9950-MESSAGE PROCESSING
          PERFORM 3920-SEND-SCREEN
          SET COM-PROGRAM-STATE TO 9999
          GO TO 9999-TERMINATE
     ENDIF
     IF STATUS-CODE = '25' OR '29'
          SET COM-ACTIVE-PFKS TO 'EXIT'
```

```
                                    'SELECT FOR AUDIT'
     ELSE
     IF STATUS-CODE = '21' OR '22'
          SET COM-ACTIVE-PFKS TO 'EXIT'
                                    'AUDIT FAILED...INSPECTION
                                    REQUIRED'
                                    'AUDIT FAILED...DELETE'
                                    'AUDIT PASSED...UPDATE DATABASE'
     ELSE
     IF STATUS-CODE = '23'
          SET COM-ACTIVE-PFKS TO 'EXIT'
                                    'AUDIT FAILED...INSPECTION
                                    REQUIRED'
                                    'AUDIT FAILED...DELETE'
     ENDIF
     PERFORM 3920-SEND-SCREEN
     GO TO 3999-RETURN
3100-UPDATE-STATUS
     SET SSA1 TO INDIVIDUAL-REGISTRATION-RECORD-KEY
     CALL 'CBLTDLI' FOR GET HOLD UNIQUE REGISTRATION-TRANSACTION-
     RECORD EQUAL TO SSA1
     SET STATUS-CODE TO NEW-STATUS
     SET STATUS-CHANGE-DATE TO INTERNAL-CURRENT-DATE
     SET AUDIT-DATE TO INTERNAL-CURRENT-DATE
     SET AUDIT-SIN TO COM-USER-SIN
     CALL 'CBLTDLI' FOR REPLACE REGISTRATION-TRANSACTION-RECORD
3200-POST-TRANSACTION
     SET SSA2 TO INDIVIDUAL-SIN
```

```
     CALL  'CBLTDLI' FOR GET HOLD UNIQUE INDIVIDUAL-RECORD  EQUAL
     TO SSA2
     ADD 1 TO NUMBER-OF-ID-CARDS-ISSUED
     CALL 'CBLTDLI' FOR REPLACE INDIVIDUAL-RECORD
3910-RECEIVE-SCREEN
     EXEC CICS RECEIVE
          MAPSET (COM-PANEL-SET)
          MAP (COM-PANEL)
          SET (COM-PANEL-POINTER)
     END EXEC
3920-SEND-SCREEN
     EXEC CICS SEND
          MAPSET (COM-PANEL-SET)
          MAP (COM-PANEL)
          FREEKB
          ERASE
          FSET
          CURSOR
     END-EXEC
3999-RETURN
     EXEC CICS RETURN
          TRANSID (COM-TRAN-ID)
          COMMAREA (DFHCOMMAREA-W)
          LENGTH (COM-LENGTH)
     END-EXEC
```

```
9950-MESSAGE-PROCESSING
     FORMAT MSG-LINE FROM MESSAGE-CODE
9999-TERMINATE
     SET COM-TRAN-ID TO 'REGISTRATION DRIVER'
     EXEC CICS RETURN
          TRANSID (COM-TRAN-ID)
          COMMAREA (DFHCOMMAREA-W)
          LENGTH (COM-LENGTH)
     END-EXEC
```

PROGRAM DESCRIPTION

System: Registration — Date f.c.: 31 July 1984

Subsystem: Individuals Registration — Date l.u.: 18 Sept 1984

Function: Auditor Processing — Phase: 2

Program: ERKP140 - Maintain Sensitive Indicator

CICS Trans ID: K140

Author: SWB

Description:

The Maintain Sensitive Indicator subprogram provides for turning on or turning off of the sensitive individual indicator for an existing registered individual.

This subprogram is the only program that maintains the sensitive individual indicator in the system. For this activity it is not necessary for a Data Entry Clerk to initially establish a transaction on the Registration Transaction Database, this program performs an on-line update directly to the National Individuals Database and the National Individual Names Database. The two subfunctions of this program are:

Set sensitive indicator on -

The current indicator must be off. A memo transaction is written to the Registration Transaction Database with blanks in all fields (or zero as the case requires) except the SIN field.

Set sensitive indicator off -

The current indicator must be on. Only the SIN is presented on the screen prior to setting the indicator off. After setting the indicator off a full memo transaction is written to the Registration Transaction Database.

INPUTS:

Files: Tables, Control, National Individuals Databases

Screens: Maintain Sensitive Indicator - ERKS140

Reports: None

Documents: None

OUTPUTS:

Files: Control, Registration Transaction, National Individuals, National Names Databases

Screens: Maintain Sensitive Indicator - ERKS140

Reports: None

Documents: None

INTERFACE:

Invoked by: Registration Driver Module

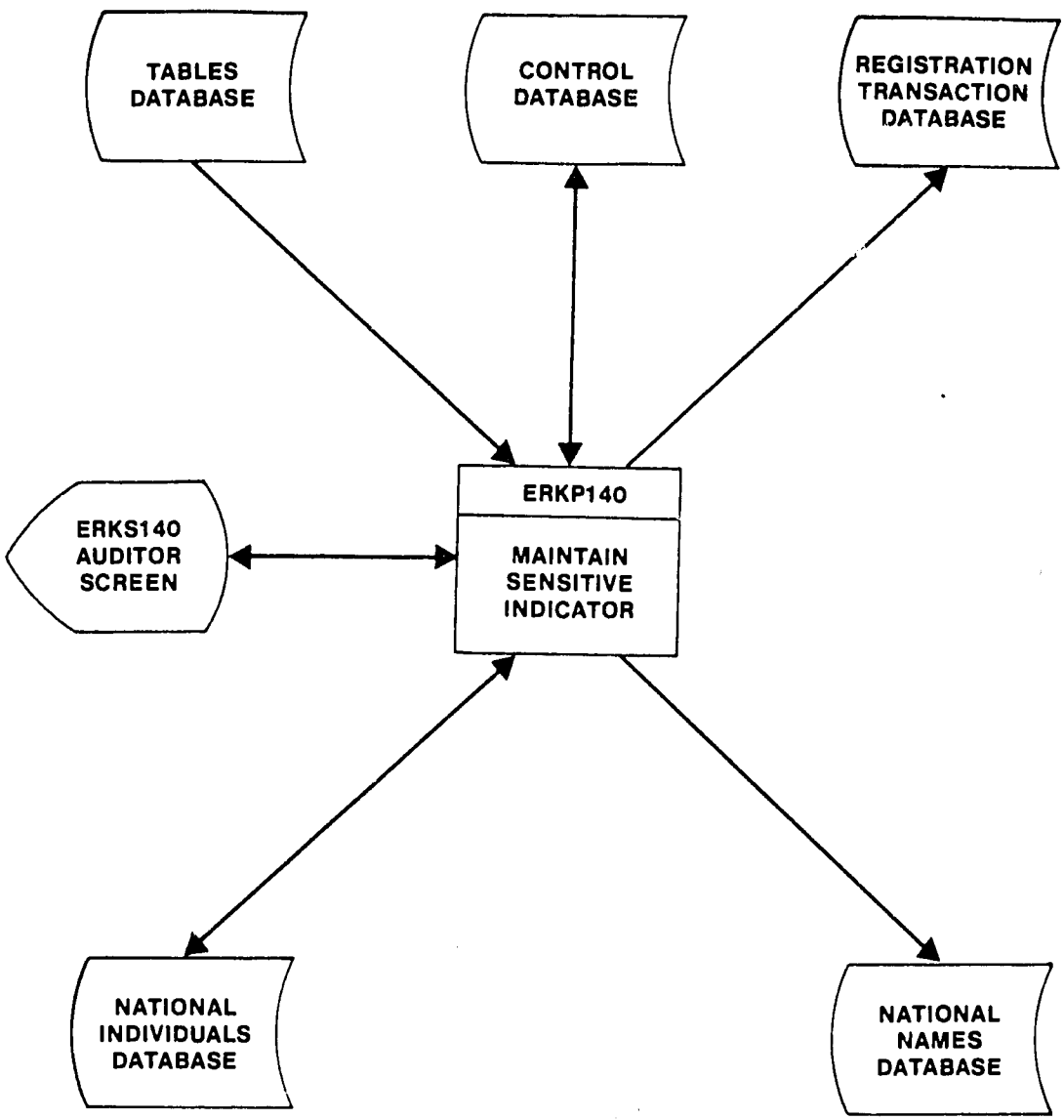
Transfers to: Registration Driver Module

STANDARD MODULES:

Name: None

Function: None

PROGRAM I/O DIAGRAM
MAINTAIN SENSITIVE INDICATOR



PROCESSING LOGIC

```
0000-MAIN-PROCESS
     IF COM-PROGRAM-STATE = 1
          GO TO 1000-INITIALIZATION
     ELSE
     IF COM-PROGRAM-STATE = 2
          GO TO 2000-PROCESS-FIRST-SCREEN
     ELSE
     IF COM-PROGRAM-STATE = 3
          GO TO 3000-PROCESS-SUBSEQUENT-SCREENS
     ENDIF
     SET MESSAGE-CODE TO 'PROGRAM STATE ERROR'
     PERFORM 9950-MESSAGE-PROCESSING
     PERFORM 0920-SEND-SCREEN
     SET COM-PROGRAM-STATE TO 9999
     GO TO 9999-TERMINATE
0920-SEND-SCREEN
     EXEC CICS SEND
          FROM (MSG-LINE)
          LENGTH (79)
          ERASE
     END-EXEC
```

```
1000-INITILIZATION
     SET COM-PANEL TO MAP-NAME (ERKS140)
     SET COM-PANEL-SET TO MAP-SET-NAME (ERKS140S)
     SET COM-TRAN-ID TO PROGRAM-TRANSACTION-ID (K140)
     SET COM-ACTIVE PFKS TO NULL
     IF   COM-USERTYPE  NOT  =  AUDITOR  and  COM-USER-ACCESS-TO-
     SENSITIVE = YES
          NEXT SENTENCE
     ELSE
          SET MESSAGE-CODE TO 'INVALID ACCESS'
          PERFORM 9950-MESSAGE-PROCESSING
          PERFORM 1920-SEND-SCREEN
          SET COM-PROGRAM-STATE TO 9999
          GO TO 9999-TERMINATE
     ENDIF
     SET COM-ACTIVE PFKS TO 'EXIT'
                            'ENTER KEY'
     SET MESSAGE-CODE TO 'ENTER SIN'
     PERFORM 9950-MESSAGE PROCESSING
     PERFORM 1920-SEND-SCREEN
     SET COM-PROGRAM-STATE TO 2
     GO TO 1999-RETURN
```

```
1900-SEND-SCREEN
     EXEC CICS SEND
          MAPSET (COM-PANEL-SET)
          MAP (COM-PANEL)
          FREEKB
          FSET
          CURSOR
     END-EXEC
1999-RETURN
     EXEC CICS RETURN
          TRANSID (COM-TRAN-ID)
          COMMAREA (DFHCOMMAREA-W)
          LENGTH (COM-LENGTH)
     END-EXEC.
```

```
2000-PROCESS-FIRST-SCREEN
     PERFORM 2910-RECEIVE-SCREEN
     IF PFK-EXIT
          SEND MESSAGE-CODE TO 'PROGRAM TERMINATED'
          PERFORM 9950-MESSAGE-PROCESSING
          PERFORM 2920-SEND-SCREEN
          SET COM-PROGRAM-STATE TO 9999
          GO TO 9999-TERMINATE
     ENDIF
     SET SSA1 TO MAP-INDIVIDUAL-SIN
     CALL  'CBLTDLI'  FOR GET UNIQUE INDIVIDUAL-RECORD  EQUAL  TO
     SSA1
     IF NOT FOUND
          SET MESSAGE CODE TO 'NOT FOUND'
          PERFORM 9950-MESSAGE-PROCESSING
          PERFORM 2920-SEND-SCREEN
          GO TO 2999-RETURN
     ENDIF
     IF SENSITIVITY-INDICATOR IS OFF
          FORMAT   SCREEN  FROM  INDIVIDUAL-RECORD   AND   TABLES
          DATABASE FOR CODE DESCRIPTIONS
               SET ACTIVE-PFKS TO 'EXIT'
                                  'MARK SENSITIVE'
     ELSE
```

```
            FORMAT SCREEN WITH JUST INDIVIDUAL-SIN
                SET ACTIVE PFKS TO 'EXIT'
                                   'MARK NON-SENSITIVE'
      ENDIF
      SET COM-PROGRAM-STATE TO 3
      PERFORM 2920-SEND-SCREEN
      GO TO 2999-RETURN
 2910-RECEIVE-SCREEN
      EXEC CICS RECEIVE
           MAPSET (COM-PANEL-SET)
           MAP (COM-PANEL)
           SET (COM-PANEL-POINTER)
      END-EXEC
 2920-SEND-SCREEN
      EXEC CICS SEND
           MAPSET (COM-PANEL-SET)
           MAP (COM-PANEL)
           FREEKB
           ERASE
           FSET
           CURSOR
      END-EXEC
 2999-RETURN
      EXEC CICS RETURN
           TRANSID (COM-TRAN-ID)
           COMMAREA (DFHCOMMAREA-W)
           LENGTH (COM-LENGTH)
      END-EXEC
```

```
3000-PROCESS-SUBSEQUENT-SCREENS
     PERFORM 3910-RECEIVE-SCREEN
     IF PFK-MARK-SENSITIVE
          SET NEW-SENSITIVITY-INDICATOR TO ON
          PERFORM 3100-UPDATE-INDIVIDUAL
          SET NEW-STATUS TO '58'
          PERFORM 3200-INSERT-MEMO-TRANSACTION
     ELSE
     IF PFK-MARK-NON-SENSITIVE
          SET NEW-SENSITIVITY-INDICATOR TO OFF
          PERFORM 3100-UPDATE-INDIVIDUAL
          SET NEW-STATUS TO '59'
          PERFORM 3200-INSERT-MEMO-TRANSACTION
     ELSE
     IF PFK-EXIT
          SET MESSAGE-CODE TO 'PROGRAM TERMINATED'
          PERFORM 9950-MESSAGE-PROCESSING
          PERFORM 3920-SEND-SCREEN
          SET COM-PROGRAM-STATE TO 9999
          GO TO 9999-TERMINATE
     ENDIF
     SET COM-PROGRAM-STATE TO 1
     PERFORM 3920-SEND-SCREEN
     GO TO 3999-RETURN
```

```
3100-UPDATE-INDIVIDUAL
    FORMAT   SSA3-INDIVIDUAL-NAME-RECORD-KEY  FROM   INDIVIDUAL-
    RECORD
    CALL  'CBLTDLI'  FOR GET HOLD UNIQUE  INDIVIDUAL-NAME-RECORD
    EQUAL TO SSA3
    SET SENSITIVITY-INDICATOR OF INDIVIDUAL-NAME-RECORD TO  NEW-
    SENSITIVITY-INDICATOR
    CALL 'CBLTDLI' FOR REPLACE INDIVIDUAL-NAME-RECORD
    SET SSA4-INDIVIDUAL-RECORD-KEY TO INDIVIDUAL-SIN
    CALL  'CBLTDLI' FOR GET HOLD UNIQUE INDIVIDUAL-RECORD  EQUAL
    TO SSA4
    SET   SENSITIVITY-INDICATOR  OF  INDIVIDUAL-RECORD  TO  NEW-
    SENSITIVITY-INDICATOR
    CALL 'CBLTDLI' FOR REPLACE INDIVIDUAL-RECORD
3200-INSERT-MEMO-TRANSACTION
    SET SSA2 TO 'NEXT REGISTRATION TRANSACTION NUMBER'
    CALL  'CBLTDLI' FOR GET HOLD UNIQUE CONTROL-RECORD EQUAL  TO
    SSA2

    SET  REGISTRATION-TRANSACTION-NUMBER  TO  NEXT-REGISTRATION-
    TRANSACTION NUMBER
    ADD 1 TO NEXT-REGISTRATION-TRANSACTION-NUMBER
    CALL 'CBLTDLI' FOR REPLACE CONTROL-RECORD
    FORMAT INDIVIDUAL-REGISTRATION-RECORD FROM INDIVIDUAL-RECORD
    IF NEW-STATUS = '58'
        BLANK OUT PART-I AND PART-II DATA
    ENDIF
```

```
      SET STATUS-CODE TO NEW-STATUS
      SET STATUS-CHANGE-DATE TO INTERNAL-CURRENT-DATE
      SET AUDIT-DATE TO INTERNAL-CURRENT-DATE
      SET AUDIT-SIN TO COM-USER-SIN
      CALL 'CBLTDLI' FOR INSERT REGISTRATION-TRANSACTION-RECORD
3910-RECEIVE-SCREEN
      EXEC CICS RECEIVE
           MAPSET (COM-PANEL-SET)
           MAP (COM-PANEL)
           SET (COM-PANEL-POINTER)
      END EXEC
3920-SEND-SCREEN
      EXEC CICS SEND
           MAPSET (COM-PANEL-SET)
           MAP (COM-PANEL)
           FREEKB
           ERASE
           FSET
           CURSOR
      END-EXEC
3999-RETURN
      EXEC CICS RETURN
           TRANSID (COM-TRAN-ID)
           COMMAREA (DFHCOMMAREA-W)
           LENGTH (COM-LENGTH)
      END-EXEC
```

```
9950-MESSAGE-PROCESSING
     FORMAT MSG-LINE FROM MESSAGE-CODE
9999-TERMINATE
     SET COM-TRAN-ID TO 'REGISTRATION DRIVER'
     EXEC CICS RETURN
          TRANSID (COM-TRAN-ID)
          COMMAREA (DFHCOMMAREA-W)
          LENGTH (COM-LENGTH)
     END-EXEC
```

PROGRAM DESCRIPTION

System: Registration

Date f.c.: 31 July 1984

Subsystem: Individuals Registration

Date l.u.: 17 Aug 1984

Function: Auditor Processing

Phase: 2

Program: ERKP150 - Maintain Registration Transaction (Audit)

CICS Trans ID: K150

Author: SWB

Description:

The Maintain Registration Transaction Subprogram (Audit) allows the Auditor to modify or delete those transactions that the Auditor previously selected for processing. This program sets up the Registration Transaction Database for Auditor modification and passes control to the Registration Transaction Update program for the actual update process. In order to provide an audit trail of actions against the transaction, a new record is written to the transaction database for the Auditor modification activities. The current transaction is given a status code of "superseded" and it will be retained until the active record is archived.

INPUTS:

Files: Tables, Registration Transaction Databases

Screens: Modify Registration Transaction (Audit) - ERKS150

Reports: None

Documents: None

OUTPUTS:

Files: Registration Transaction Databases

Screens: Modify Registration Transaction (Audit) - ERKS150

Reports: None

Documents: None

INTERFACE:

Invoked by: Registration Driver Module

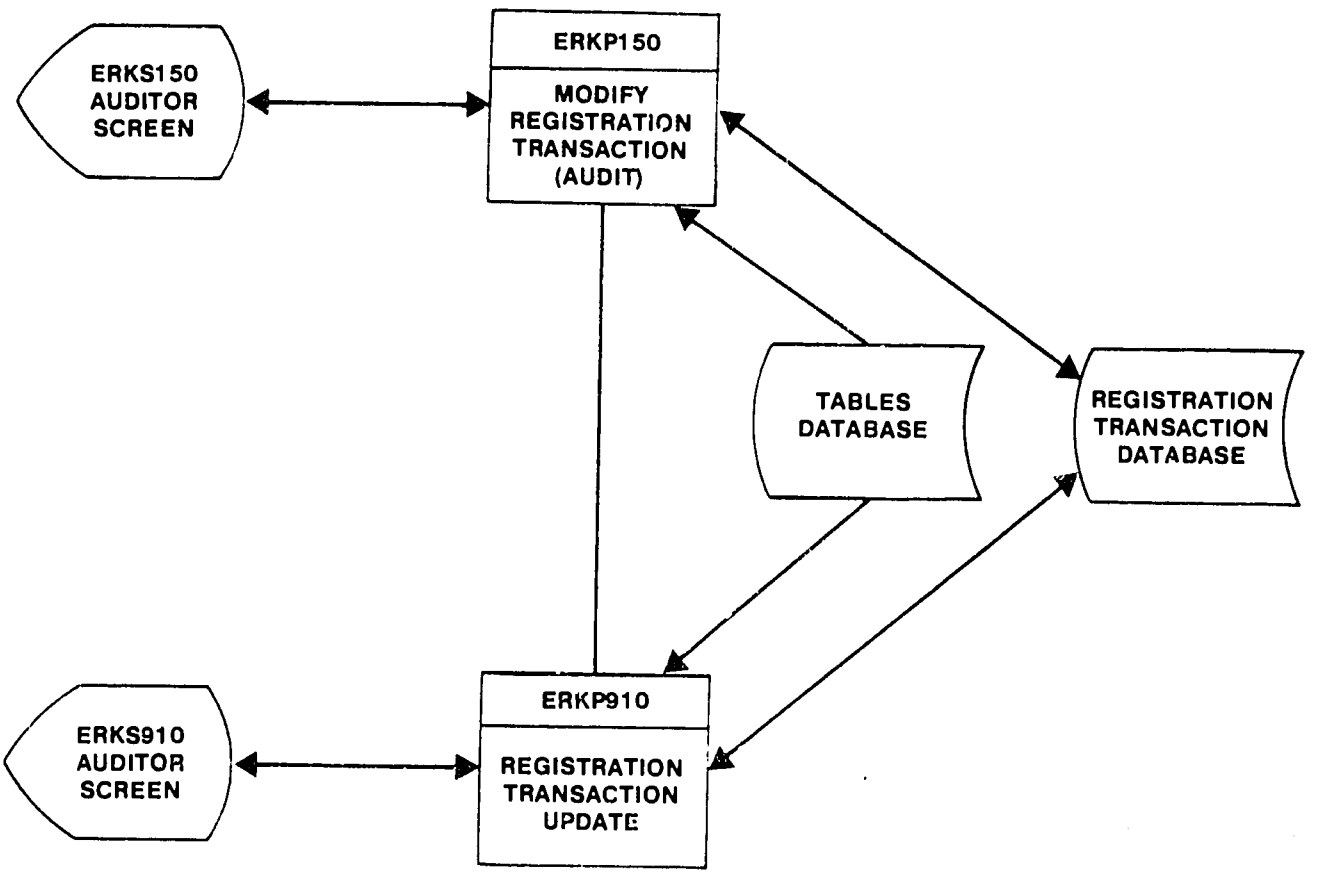
Transfers to: Registration Driver Module

STANDARD MODULES:

Name: Registration Transaction Update (ERKP910)

Function: Allows the Part I and Part II data to be modified in the Registration Transaction Database.

MODIFY REGISTRATION TRANSACTION (AUDIT)



PROCESSING LOGIC

Processing logic for ERKP150 represents a modified version of ERKP050 (Modify Registration Transaction (Data Entry)) Program. Singular differences are as follows:

- o Data retrieval from the Individual Registration Transaction Database is confined to RT-STATUS-CODE 21; 22; 23; 25
- o Creation of a modified Individual Registration Transaction Database record prior to invoking ERKP910, Registration Transaction Update program. Program logic to be incorporated is as follows:

```
IF ((RT-TRANSACTION-TYPE = 'A' OR 'M') AND RT-RECORD-COUNT =
'9998') OR (RT-RECORD-COUNT = '9999')
     PERFORM NNNN*-COPY-AUDITOR-RECORD
     ENDIF
ENDIF
NNNN-COPY-AUDITOR-RECORD SECTION.
MOVE    COM-RT-INDIVIDUAL-REGISTRATION-RECORD    to    WS-RT-
INDIVIDUAL-REGISTRATION-RECORD.
SUBTRACT 1 FROM WS-RT-RECORD-COUNT.

GET  HOLD UNIQUE CURRENT INDIVIDUAL REGISTRATION TRANSACTION
DATABASE RECORD.
MOVE '92' TO COM-RT-STATUS-CODE.
REPLACE INDIVIDUAL REGISTRATION TRANSACTION DATABASE RECORD.
MOVE WS-RT-INDIVIDUAL-REGISTRATION-RECORD TO
COM-RT-INDIVIDUAL-REGISTRATION-RECORD.
INSERT INDIVIDUAL-REGISTRATION-TRANSACTION DATA BASE RECORD
```

```
PERFORM 4900-XCTL.
```

*NNNN Represents a unique paragraph number.

PROGRAM DESCRIPTION

System: Registration — Date f.c.: 31 July 1984

Subsystem: Individuals Registration — Date l.u.: 18 Aug 1984

Function: Auditor Processing — Phase: 2

Program: ERKP160 - Verify ID Card Receipt

CICS Trans ID: K160

Author: SWB

Description:

The Verify ID Card Receipt Subprogram provides to the Auditor the capability of entering the confirmation that ID cards were correctly received and signed for. The input document for this program is the ID Card Distribution Report which was produced along with the ID card production job, was sent with the ID cards to the registering location for controlled distribution, and is used as a turn-around report to notify the Auditor that the cards were correctly distributed. All of this activity takes place after the National Individuals Database and the National Names Database have been updated. If the ID cards were all correctly distributed then the Auditor notes that by using this program and the Registration Transaction is ready to be archived. However, if a card was not distributed for any reason or if the turn-around document was not correctly signed then that case needs to be investigated outside of Individuals Registration Subsystem processing. The final status code that is assigned in the non-receipt case is different from the receipt case and it will be noted on the Archive Report but in both cases the transaction is ready for archival once the Auditor indicates either receipt or non-receipt.

In order to verify receipt or non-receipt the Auditor enters the ID Card Distribution Control Number assigned by the ID Card Format Subprogram. This number is on the ID Card Distribution Report. The first page of ID card data is presented in the same order as the ID Card Distribution Report. The Auditor can:

- Selectively mark individual ID card records on the current page for non-receipt
- Selectively mark individual ID card records on the current page for receipt
- Proceed to a new page of ID card data

- Return to the first page
- Verify receipt (or non-receipt) for the entire report except those already marked
- Exit Verify ID Card Receipt Processing.

INPUTS:

Files: ID Card Distribution Control, Registration Transaction Databases

Screens: Verify ID Card Receipt - ERKS160

Reports: ID Card Distribution Report

Documents: None

OUTPUTS:

Files: ID Card Distribution Control, Registration Transaction Databases

Screens: Verify ID Card Receipt - ERKS160

Reports: None

Documents: None

INTERFACE:

Invoked by: Registration Driver Module

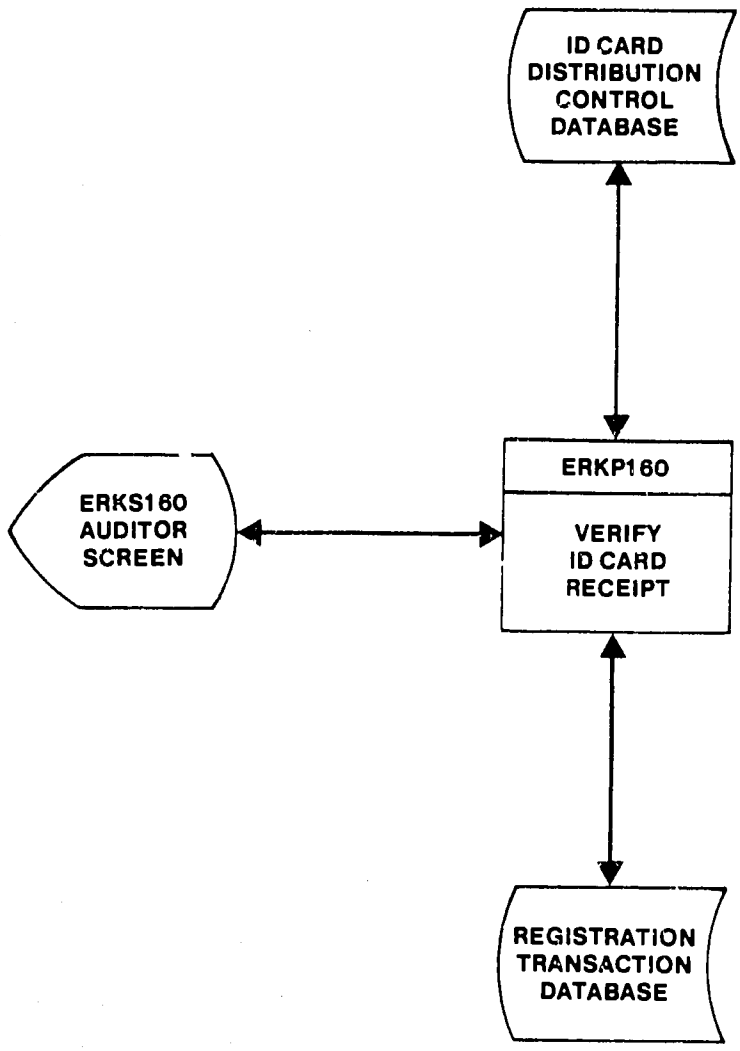
Transfers to: Registration Driver Module

STANDARD MODULES:

Name: None

Function: None

PROGRAM I/O DIAGRAM
VERIFY ID CARD RECEIPT



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```
PROCESSING LOGIC
0000-MAIN-PROCESS
     IF COM-PROGRAM-STATE = 1
          GO TO 1000-INITIALIZATION
     ELSE
     IF COM-PROGRAM-STATE = 2
          GO TO 2000-PROCESS-FIRST-SCREEN
     ELSE
     IF COM-PROGRAM-STATE = 3
          GO TO 3000-PROCESS-SUBSEQUENT-SCREENS
     ENDIF
     SET MESSAGE-CODE TO 'PROGRAM STATE ERROR'
     PERFORM 9950-MESSAGE-PROCESSING
     PERFORM 0920-SEND-SCREEN
     SET COM-PROGRAM-STATE TO 9999
     GO TO 9999-TERMINATE
0920-SEND-SCREEN
     EXEC CICS SEND
          FROM (MSG-LINE)
          LENGTH (79)
          ERASE
     END-EXEC
1000-INITILIZATION
     SET COM-PANEL TO MAP-NAME (ERKS160)
     SET COM-PANEL-SET TO MAP-SET-NAME (ERKS160S)
     SET COM-TRAN-ID TO PROGRAM-TRANSACTION-ID (K160)
     SET COM-ACTIVE PFKS TO NULL
     IF COM-USERTYPE NOT = AUDITOR
```

```
            SET MESSAGE-CODE TO 'INVALID ACCESS'
            PERFORM 9950-MESSAGE-PROCESSING
            PERFORM 1920-SEND-SCREEN
            SET COM-PROGRAM-STATE TO 9999
            GO TO 9999-TERMINATE
        ENDIF
        SET COM-ACTIVE PFKS TO 'EXIT'
                               'ENTER KEY'
        PERFORM 1920-SEND-SCREEN
        SET COM-PROGRAM-STATE TO 2
        GO TO 1999-RETURN
1900-SEND-SCREEN
        EXEC CICS SEND
             MAPSET (COM-PANEL-SET)
             MAP (COM-PANEL)
             FREEKB
             ERASE
             FSET
             CURSOR
        END-EXEC
1999-RETURN
        EXEC CICS RETURN
             TRANSID (COM-TRAN-ID)
             COMMAREA (DFHCOMMAREA-W)
             LENGTH (COM-LENGTH)
        END-EXEC.
2000-PROCESS-FIRST-SCREEN
```

```
PERFORM 2910-RECEIVE SCREEN
IF PFK-EXIT
     SET MESSAGE-CODE TO 'PROGRAM TERMINATED'
     PERFORM 9950-MESSAGE-PROCESSING
     PERFORM 2920-SEND-SCREEN
     SET COM-PROGRAM-STATE TO 9999
     GO TO 9999-TERMINATE
ENDIF
SET SSA1 TO LOW-VALUES
SET SSA1-ID-CARD-DIST-CNTL-NBR TO MAP-ID-CARD-DIST-CNTL-NBR
CALL  'CBLTDLI' FOR GET UNIQUE ID-CARD-DISTRIBUTION-CONTROL-
RECORD GREATER THAN SSA1
IF NOT FOUND OR ID-CARD-DISTRIBUTION-CNTL-NBR NOT = MAP-
ID-CARD-DIST-CNTL-NBR
     SET MESSAGE-CODE TO 'NOT FOUND'
     PERFORM 9950-MESSAGE-PROCESSING
     PERFORM 2920-SEND-SCREEN
     GO TO 2999-RETURN
ENDIF
IF  AUDIT-SIN OF ID-CARD-DISTRIBUTION-CONTROL-RECORD NOT  =
COM-USER-SIN
     SET MESSAGE CODE TO 'INVALID ACCESS - TRY AGAIN
     PERFORM 9950-MESSAGE-PROCESSING
     PERFORM 2920-SEND-SCREEN
     GO TO 2999-RETURN
ENDIF
SET MORE-CONTROL-RECS TO YES
SET SCREEN-LINE-SUB TO 1
```

```
        PERFORM 2200-FORMAT-SCREEN-LINE
        PERFORM 2100-FILL-SCREEN
             VARYING SCREEN-LINE-SUB FROM 2 BY 1
             UNTIL SCREEN-LINE-SUB > MAX-DISPLAY-LINES
                 OR
             MORE-CONTROL-RECS = NO
        SET COM-ACTIVE-PFKS TO `EXIT'
                               `ENTER KEY'
                               'SELECTIVE RECEIPT'
                               'SELECTIVE NON-RECEIPT'
                               'SELECTIVE RESET'
                               'RECEIPT ALL'
                               'NON-RECEIPT ALL'
                               'RESET ALL'
                               'NEXT PAGE'
                               'FIRST PAGE'
        PERFORM 2920-SEND SCREEN
        SET COM-PROGRAM STATE TO 3
        GO TO 2999-RETURN
2100-FILL-SCREEN
        SET SSA1 TO ID-CARD-DIST-CNTL-KEY
        CALL 'CBLTDLI' FOR GETNEXT ID-CARD-DISTRIBUTION-CONTROL-
        RECORD GREATER THAN SSA1
        IF NONE FOUND OR ID-CARD-DISTRIBUTION-CNTL-NBR NOT = MAP-ID-
        CARD-DIST-CNTL-NBR
             SET MORE-CONTROL-RECS TO NO
        ELSE
```


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```
            PERFORM 2200-FORMAT-SCREEN-LINE
        ENDIF
2200-FORMAT-SCREEN-LINE
        SET SSA2 TO REGISTRATION-TRANSACTION-NUMBER OF ID-CARD-
        DISTRIBUTION-CNTL-RECORD
        CALL 'CBLTDLI' FOR GET UNIQUE INDIVIDUAL-REGISTRATION-RECORD
        EQUAL TO SSA2
        FORMAT MAP-SCREEN-LINE (SCREEN-LINE-SUB) FROM INDIVIDUAL-
        REGISTRATION-RECORD
2910-RECEIVE-SCREEN
        EXEC CICS RECEIVE
             MAPSET (COM-PANEL-SET)
             MAP (COM-PANEL)
             SET (COM-PANEL-POINTER)
        END-EXEC
2920-SEND-SCREEN
        EXEC CICS SEND
             MAPSET (COM-PANEL-SET)
             MAP (COM-PANEL)
             FREEKB
             ERASE
             FSET
             CURSOR
        END-EXEC
2999-RETURN
        EXEC CICS RETURN
             TRANSID (COM-TRAN-ID)
             COMMAREA (DFHCOMMAREA-W)
```

```
            LENGTH (COM-LENGTH)
        END-EXEC
3000-PROCESS-SUBSEQUENT-SCREENS
        PERFORM 3910-RECEIVE-SCREEN
        IF PFK-ENTER-KEY OR PFK-NEXT-PAGE
            PERFORM 3100-NEXT-PAGE
        ELSE
        IF PFK-FIRST-PAGE
            PERFORM 3200-FIRST-PAGE
        ELSE
        IF PFK-SELECTIVE-RECEIPT
            SET ACTION-TYPE TO RECEIPT
            PERFORM 3300-SELECTIVE-PROCESSING
            PERFORM 3100-NEXT-PAGE
        ELSE
        IF PFK-SELECTIVE-NON-RECEIPT
            SET ACTION-TYPE TO NON-RECEIPT
            PERFORM 3300-SELECTIVE-PROCESSING
            PERFORM 3100-NEXT-PAGE
        ELSE
        IF PFK-SELECTIVE-RESET
            SET ACTION-TYPE TO RESET
            PERFORM 3300-SELECTIVE-PROCESSING
            PERFORM 3100-NEXT-PAGE
        ELSE
        IF PFK-RECEIPT-ALL
            SET ACTION-TYPE TO RECEIPT
```

```
            PERFORM 3400-ALL-PROCESSING
            PERFORM 3200-FIRST-PAGE
        ELSE
        IF PFK-NON-RECEIPT-ALL
            SET ACTION-TYPE TO NON-RECEIPT
            PERFORM 3400-ALL-PROCESSING
            PERFORM 3200-FIRST-PAGE
        ELSE
        IF PFK-RESET-ALL
            SET ACTION-TYPE TO RESET
            PERFORM 3400-ALL-PROCESSING
            PERFORM 3200-FIRST-PAGE
        ELSE
        IF PFK-EXIT
            SET MESSAGE-CODE TO 'PROGRAM TERMINATED'
            PERFORM 9950-MESSAGE-PROCESSING
            PERFORM 3920-SEND-SCREEN
            SET COM-PROGRAM-STATE TO 9999
            GO TO 9999-TERMINATE
        ENDIF
        PERFORM 3920-SEND-SCREEN
        GO TO 3999-RETURN
3100-NEXT-PAGE
        SET SSA1 TO MAP-RESTART-INDIVIDUAL-ISIN
        SET MORE-CONTROL-RECS TO YES
        PERFORM 3110-FILL-SCREEN
            VARYING SCREEN-LINE-SUB FROM 1 BY 1
            UNTIL SCREEN-LINE-SUB > MAX-DISPLAY-LINES
```

```
            OR
        MORE CONTROL-RECS = NO
3110-FILL-SCREEN
    IF SCREEN-LINE-SUB = 1
        SET FUNC TO GET UNIQUE
    ELSE
        SET FUNC TO GET NEXT
    ENDIF
    SET SSA1 TO ID-CARD-DIST-CNTL-KEY
    CALL 'CBLTDLI' FOR FUNC ID-CARD-DISTRIBUTION-CONTROL-
    RECORD GREATER THAN SSA1
    IF NOT FOUND OR ID-CARD-DISTRIBUTION-CNTL-NBR NOT = MAP-ID-
    CARD-DIST-CNTL-NBR
        SET MORE-CONTROL-RECS TO NO
    ELSE
        PERFORM 3111-FORMAT-SCREEN-LINE
    ENDIF
3111-FORMAT-SCREEN-LINE
    SET SSA2 TO REGISTRATION-TRANSACTION-NUMBER OF ID-CARD-
    DISTRIBUTION-CNTL-RECORD
    CALL 'CBLTDLI' FOR GET UNIQUE INDIVIDUAL-REGISTRATION-RECORD
    EQUAL TO SSA2
    FORMAT MAP-SCREEN-LINE (SCREEN-LINE-SUB) FROM INDIVIDUAL-
    REGISTRATION-RECORD
3200-FIRST-PAGE
    SET SSA1 TO LOW-VALUES
    SET SSA1-ID-CARD-DIST-CNTL-NBR TO MAP-ID-CARD-DIST-CNTL-NBR
```

```
     PERFORM 3100-NEXT-PAGE
3300-SELECTIVE-PROCESSING
     PERFORM 3310-SCAN-SCREEN-BUFF
          VARYING SCREEN-LINE-SUB FROM 1 BY 1
          UNTIL SCREEN-LINE-SUB > MAX-DISPLAY-LINES
3310-SCAN-SCREEN-BUFF
     IF MAP-LINE-SELECT (SCREEN-LINE-SUB) = 'X'
          SET  UPDATE-ID-CARD-DIST-CNTL-KEY TO ID-CARD-DIST-CNTL-
          KEY
          SET SSA1 TO MAP-ID-CARD-DIST-CNTL-KEY
          CALL  'CBLTDLI'  FOR GET HOLD  UNIQUE  ID-CARD-DISTRIBUTION-
          CONTROL-RECORD EQUAL TO SSA1
          PERFORM 3800-POST-UPDATE
     ENDIF
3400-ALL-PROCESSING
     SET MORE-CONTROL-RECS TO YES
     SET FIRST-TIME-FLAG TO YES
     PERFORM 3410-PASS-CONTROL UNTIL MORE-CONTROL-RECS = NO
3410-PASS-CONTROL
     IF FIRST-TIME-FLAG = YES
          SET FIRST-TIME-FLAG TO NO
          SET FUNC TO GET HOLD UNIQUE
          SET SSA1 TO LOW-VALUES
          SET  SSA1  -ID-CARD-DIST-CNTL-NBR TO  MAP-ID-CARD-DIST-
          CNTL-NBR
     ELSE
          SET FUNC TO GET HOLD NEXT
          SET SSA2 TO ID-CARD-DIST-CNTL-KEY
```

```
     ENDIF
     CALL  'CBLTDLI' FOR FUNC  ID-CARD-DISTRIBUTION-CONTROL-
     RECORD GREATER THAN SSA1
     IF  (ACTION-STATUS  = RECEIPT OR NON-RECEIPT)  AND  ID-CARD-
     DIST-CNTL-STATUS-CODE = UPDATED
          NEXT SENTENCE
     ELSE
          SET UPDATED-ID-CARD-DIST-CNTL-KEY TO ID-CARD-DIST-CNTL-
          KEY OF ID-CARD-DISTRIBUTION-CONTROL-RECORD
          PERFORM 3800-POST-UPDATE
     ENDIF
3800-POST-UPDATE
     IF ACTION-TYPE = RESET
          SET ID-CARD-DIST-CNTL-STATUS-CODE TO NOT VERIFIED
     ELSE
          SET ID-CARD-DIST-CNTL-STATUS-CODE TO VERIFIED
     ENDIF
     CALL  'CBLTDLI'  FOR  REPLACE  ID-CARD-DISTRIBUTION-CONTROL-
     RECORD
     SET  SSA2  TO  REGISTRATION-TRANSACTION-NUMBER  OF  ID-CARD-
     DISTRIBUTION-CNTL-RECORD
     CALL 'CBLTDLI' FOR GET HOLD UNIQUE  INDIVIDUAL-REGISTRATION-
     RECORD EQUAL TO SSA2
     IF ACTION-TYPE = RECEIPT
          SET STATUS-CODE TO 49
     ELSE
     IF ACTION-TYPE = NON-RECEIPT
```


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```
            SET STATUS-CODE TO 48
        ELSE
            SET STATUS-CODE TO 41
        ENDIF
        CALL 'CBLTDLI' FOR REPLACE INDIVIDUAL-REGISTRATION-RECORD
3910-RECEIVE-SCREEN
        EXEC CICS RECEIVE
            MAPSET (COM-PANEL-SET)
            MAP (COM-PANEL)
            SET (COM-PANEL-POINTER)
        END EXEC.
3920-SEND-SCREEN
        EXEC CICS SEND
            MAPSET (COM-PANEL-SET)
            MAP (COM-PANEL)
            FREEKB
            ERASE
            FSET
            CURSOR
        END-EXEC
3999-RETURN
        EXEC CICS RETURN
            TRANSID (COM-TRAN-ID)
            COMMAREA (DFHCOMMAREA-W)
            LENGTH (COM-LENGTH)
        END-EXEC.
9950-MESSAGE-PROCESSING
        FORMAT MSG-LINE FROM MESSAGE-CODE
```

```
9999-TERMINATE
     SET COM-TRAN-ID TO 'REGISTRATION DRIVER'
     EXEC CICS RETURN
          TRANSID (COM-TRAN-ID)
          COMMAREA (DFHCOMMAREA-W)
          LENGTH (COM-LENGTH)
     END-EXEC.
```

PROGRAM DESCRIPTION

System: Registration — Date f.c.: 31 July 1984

Subsystem: Individuals Registration — Date l.u.: 16 Aug 1984

Function: Inspector Processing — Phase: 2

Program: ERKP210 - Inspection Assignment

CICS Trans ID: K210

Author: SWB

Description:

The Inspection Assignment subprogram provides for the entry of inspection assignment data for a transaction that an auditor has flagged for inspection.

The Auditor will not be able to determine on first evaluation whether certain transactions need to be approved or deleted. For these transactions, the Auditor will press a program function key (PFK) in the appropriate audit program, that will change the status to "inspection required". A supervisor that is in charge of inspector assignments uses the Inspection Assignment subprogram to record the inspector's SIN, the date the inspector is assigned and the reason code for the inspection. By recording this information on the transaction record, the system status reports will be able to reflect that the transaction is being processed.

The supervisor that uses this subprogram can either be the Auditor that audited the transaction or another person with the authorization to assign inspectors. Inspector SINs that are provided must correspond to authorized inspectors in the Authority System and be assigned to the same registration location as the transaction.

The Inspection Supervisor (or Auditor) enters the Registration Transaction Number of a transaction that has a Status Code of "inspection required". The program verifies that transaction is in the database and that the user is authorized to process the transaction based on user authority and Transaction Registration Location. The transaction data fields are displayed on the screen. The user enters the inspection assignment data and presses the enter key. The program verifies that the inspector SIN entered is authorized to perform inspection at the registration location. The screen is presented one more time for verification by the user. Upon verification, the transaction is updated on the database.

PROGRAM DESCRIPTION FORM (Continued)

Inputs:

Files: Tables, Registration Transaction Databases

Screens: Inspection Assignment (ERKS210)

Reports: None

Documents: None

Outputs:

Files: Registration Transaction Database

Screens: Inspection Assignment (ERKS210)

Reports: None

Documents: None

Interface:

Invoked by: Registration Drive Module

Transfers to: Registration Driver Module

Standard Modules:

Name: None

Function: None

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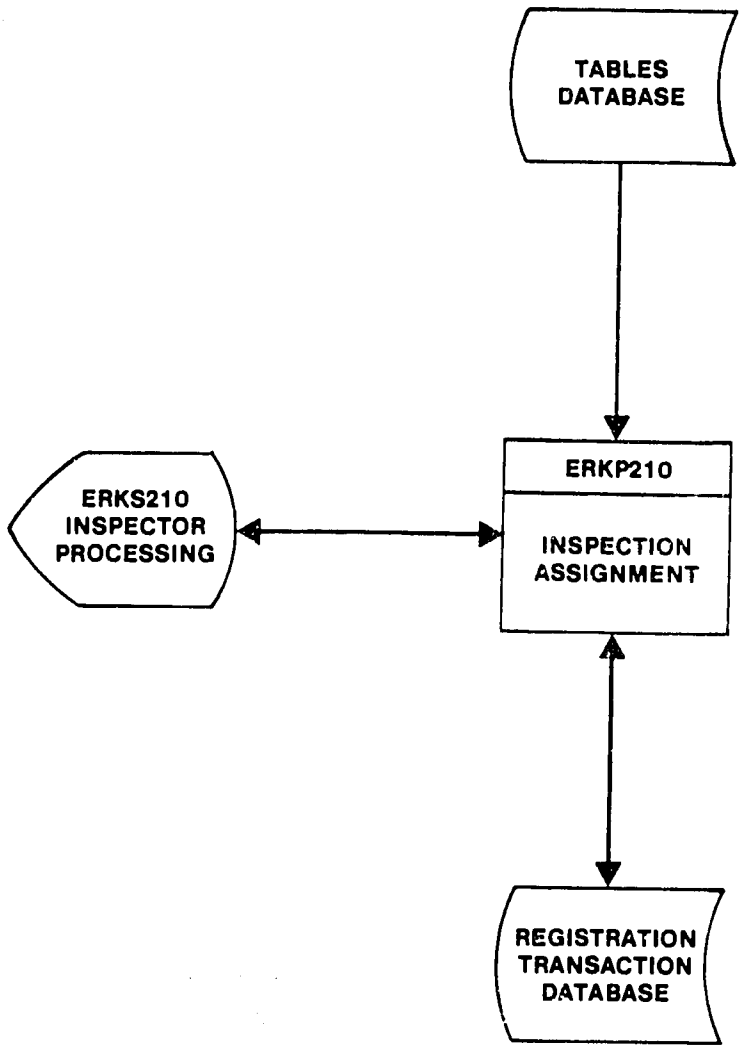
PROGRAM I/O DIAGRAM
INSPECTION ASSIGNMENT



PROCESSING LOGIC

0000-MAIN-PROCESS

```
If COM-PROGRAM-STATE = 1
   GO TO 1000-INITIALIZATION
Else
If COM-PROGRAM-STATE = 2
   GO TO 2000-PROCESS-FIRST-SCREEN
Else
If COM-PROGRAM-STATE = 3
   GO TO 3000-PROCESS-ASSIGNMENT-DATA
Else
If COM-PROGRAM-STATE = 4
   GO TO 4000-PROCESS-VERIFY
ENDIF
SET MESSAGE-CODE TO 'PROGRAM STATE ERROR'
PERFORM 9940-MESSAGE-PROCESSING
PERFORM 0920-SEND-LINE
SET COM-PROGRAM-STATE TO 9999
GO TO 9990-TERMINATE
```

```
0920-SEND-LINE

     EXEC CICS SEND
          FROM (MSG-LINE)
          LENGTH (79)
          ERASE
     END-EXEC
```

1000-INITIALIZATION

```
SET COM-PANEL TO MAP-NAME (ERKS210)
SET COM-PANEL-SET TO MAP-SET-NAME (ERKS210S)
SET COM-TRAN-ID TO PROGRAM-TRANSACTION-ID (K210)
SET COM-ACTIVE-PFKS TO NULL
IF COM-USERTYPE = AUDITOR OR
                  INSPECTOR - SUPERVISOR
   NEXT-SENTENCE
Else
   SET MESSAGE-CODE TO 'INVALID ACCESS'
   GO TO 9920-SEND-AND-TERMINATE
ENDIF
SET COM-ACTIVE-PFKS TO 'EXIT'
                       'ENTER KEY'
SET COM-PROGRAM-STATE TO 2
SET MESSAGE-CODE TO 'ENTER TRANSACTION NUMBER'
GO TO 9910-SEND-AND-RETURN
```

```
2000-PROCESS-FIRST-SCREEN

     PERFORM 2910-RECEIVE-SCREEN
     If PFK-ENTER KEY
        PERFORM 2100-PROCESS-TRANSACTION-NUMBER
     Else
     If PFK-EXIT
        SET MESSAGE-CODE TO 'PROGRAM TERMINATED'
        GO TO 9920-SEND-AND-TERMINATE
     ENDIF
     GO TO 9910-SEND-AND-RETURN

2100-PROCESS-TRANSACTION-NUMBER

     SET SSA1 TO LOW-VALUES
     SET SSA1-REGISTRATION-TRANSACTION-NUMBER
        TO MAP-REGISTRATION-TRANSACTION-NUMBER
     CALL 'CBLTDLI' FOR GET UNIQUE
                INDIVIDUAL-REGISTRATION-RECORD
                GREATER THAN SSA1
     IF NOT FOUND OR REGISTRATION-TRANSACTION-NUMBER NOT = MAP-
          REGISTRATION-TRANSACTION-NUMBER
        SET MESSAGE-CODE TO 'NOT FOUND'
        GO TO 9910-SEND-AND-RETURN
     ENDIF
     If STATUS-CODE NOT = '25'
        SET MESSAGE-CODE TO 'INVALID STATUS'
        GO TO 9910-SEND-AND-RETURN
     ENDIF
```

```
If COM-USERTYPE - AUDITOR AND
   COM-USER-SIN NOT - AUDIT-SIN
   SET MESSAGE-CODE TO 'INVALID ACCESS'
   GO TO 9910-SEND-AND-RETURN
ENDIF
If TRANSACTION-REGISTRATION-LOCATION NOT =
   USER-REGISTRATION-LOCATION
   SET MESSAGE-CODE TO 'INVALID LOCATION'
   GO TO 9910-SEND-AND-RETURN
ENDIF
INITIALIZE DATE-INSPECTOR-ASSIGNED TO CURRENT-DATE
FORMAT SCREEN-MAP FROM INDIVIDUAL-
       REGISTRATION-RECORD, CODE-DESCRIPTIONS
SET COM-ACTIVE-PFKS TO 'EXIT'
                       'ENTER KEY'
SET MESSAGE-CODE TO 'ENTER ASSIGNMENT DATA'
SET PROGRAM-STATE TO 3

2910-RECEIVE-SCREEN

EXEC CICS RECEIVE
     MAPSET (COM-PANEL-SET)
     MAP (COM-PANEL)
     SET (COM-PANEL-POINTER)
END-EXEC
```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```
3000-PROCESS-ASSIGNMENT-DATA

     PERFORM 3910-RECEIVE-SCREEN
     If PFK-ENTER-KEY
        PERFORM 3100-EDIT-ASSIGNMENT
     Else
     If PFK-EXIT
        SET MESSAGE-CODE TO 'PROGRAM TERMINATED'
        GO TO 9920-SEND-AND-TERMINATE
     ENDIF
     GO TO 9910-SEND-AND-RETURN

3100-EDIT-ASSIGNMENT

     CALL 'GETAUTH' USING MAP-SIN
                          INSPECTOR-AUTH-DATA
     If NOT FOUND
        SET MESSAGE-CODE TO 'SIN NOT
            FOUND ON AUTHORIZATION DATABASE'
        GO TO 9910-SEND-AND-RETURN
     ENDIF
     If INSPECTOR-AUTH-TYPE NOT = 'INSPECTOR'
        SET MESSAGE-CODE TO 'SIN NOT FOR AN INSPECTOR'
        GO TO 9910-SEND-AND-RETURN
     ENDIF
```

```
If INSPECTOR-AUTH-REGISTRATION-LOCATION
      NOT = TRANSACTION-REGISTRATION-LOCATION
   SET MESSAGE-CODE TO 'INSPECTOR
      NOT ASSIGNED TO TRANSACTION LOCATION'
   GO TO 9910-SEND-AND-RETURN
ENDIF
FORMAT SSA2 FOR TABLES-RECORD-KEY,
      INSPECTION-REASON-TABLE EQUAL TO
      MAP-INSPECTION-REASON
CALL 'CBLTDLI' FOR GET UNIQUE
           TABLES-RECORD
         EQUAL TO SSA2
If NOT FOUND
   SET MESSAGE-CODE TO 'INVALID INSPECTION REASON'
   GO TO 9910-SEND-AND-RETURN
ENDIF
FORMAT SCREEN MAP FROM INSPECTION-REASON-DESCRIPTION
SET COM-ACTIVE-PFKS TO 'EXIT'
                       'VERIFY UPDATE'
                       'RESTART'
SET MESSAGE-CODE TO 'PRESS VERIFY PFK FOR UPDATE'
SET PROGRAM-STATE TO 4
```

3910-RECEIVE-SCREEN

```
EXEC CICS RECEIVE
     MAPSET (COM-PANEL-SET)
     MAP (COM-PANEL)
     SET (COM-PANEL-POINTER)
END-EXEC
```

```
4000-PROCESS-VERIFY

     PERFORM 4910-RECEIVE-SCREEN
     If PFK-VERIFY-UPDATE
        PERFORM 4100-POST-TRANSACTION
     Else
     If PFK-RESTART
        PERFORM 4200-RESTART
     Else
     If PFK-EXIT
        SET MESSAGE-CODE TO 'PROGRAM TERMINATED'
        GO TO 9920-SEND-AND-TERMINATE
     ENDIF
     GO TO 9910-SEND-AND-RETURN

4100-POST-TRANSACTION

     CALL 'CBLTDLI' FOR GET HOLD UNIQUE
              INDIVIDUAL-TRANSACTION-RECORD
                GREATER THAN SSA1
     SET DATE-INSPECTOR-ASSIGNED TO
        MAP-DATE-INSPECTOR-ASSIGNED
     SET INSPECTOR-SIN TO
        MAP-INSPECTOR-SIN
     SET INSPECTION-REASON-CODE TO
        MAP-INSPECTION-REASON-CODE
     SET STATUS-CODE TO '31'
     CALL 'CBLTDLI' FOR REPLACE
              INDIVIDUAL-TRANSACTION-RECORD
```

```
      CLEAR MAP DATA
      SET MESSAGE-CODE TO 'SUCCESSFUL UPDATE'
      SET COM-ACTIVE-PFKS TO 'EXIT'
                             'ENTER KEY'
      SET PROGRAM-STATE TO 2

4200-RESTART

      CLEAR MAP-DATA
      SET MESSAGE-CODE TO 'PROGRAM RESTARTED'
      SET COM-ACTIVE-PFKS TO 'EXIT'
                             'ENTER KEY'
      SET PROGRAM-STATE TO 2

4910-RECEIVE-SCREEN

      EXEC CICS RECEIVE
           MAPSET (COM-PANEL-SET)
           MAP (COM-PANEL)
           SET (COM-PANEL-POINTER)
      END-EXEC
```

```
9910-SEND-AND-RETURN

     If MESSAGE-CODE NOT EMPTY
        PERFORM 9940-MESSAGE-PROCESSING
     ENDIF
     PERFORM 9950-SEND-SCREEN
     GO TO 9999-RETURN

9920-SEND-AND-TERMINATE

     IF MESSAGE-CODE NOT EMPTY
        PERFORM 9940-MESSAGE-PROCESSING
     ENDIF
     PERFORM 9950-SEND-SCREEN
     GO TO 9990-TERMINATE

9940-MESSAGE-PROCESSING

     FORMAT MSG-LINE FROM MESSAGE-CODE

9950-SEND-SCREEN

     EXEC CICS SEND
          MAPSET (COM-PANEL-SET)
          MAP (COM-PANEL)
          FREEKB
          ERASE
          FSET
          CURSOR
     END-EXEC
```

```
9990-TERMINATE

     SET COM-TRAN-ID TO 'REGISTRATION DRIVER'
     GO TO 9999-RETURN

9999-RETURN

     EXEC CICS RETURN
          TRANSID (COM-TRAN-ID)
          COMMAREA (DFHCOMMAREA-W)
          LENGTH (COM-LENGTH)
     END-EXEC
```

PROGRAM DESCRIPTION

System:	Registration	Date f.c.:	31 July 198
Subsystem:	Individuals Registration	Date l.u.:	16 Aug 1984
Function:	Inspector Processing	Phase:	2
Program:	ERKP220 - Inspection Results		
CICS Trans ID:	K220		
Author:	SWB		

Description:

The Inspection Results subprogram provides for the entry of the results of an inspection for transactions that have been previously assigned for inspection.

The supervisor that uses this subprogram can either be the Auditor that audited the transaction or another person with the authorization to assign inspectors.

The Inspection Supervisor (or Auditor) enters the Registration Transaction Number of a transaction that has a Status Code of "in inspection". The p[rogram verifies that the transaction is the database and that the user is authorized to process the transaction based on user authority and Transaction Registration Location. The transaction data fields are displayed on the screen. The user enters the Inspection Results Code and the Date Inspection completed fields. The program verifies that the Inspection Results Code is on the Tables Database and presents a final screen for update verification. Upon verification, the transaction is updated inthe database.

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PROGRAM DESCRIPTION FORM (Continued)

Inputs:

Files: Tables, Registration Transaction Databases

Screens: Inspection Results (ERKS220)

Reports: None

Documents: None

Outputs:

Files: Registration Transaction Database

Screens: Inspection Results (ERKS220)

Reports: None

Documents: None

Interface:

Invoked by: Registration Driver Module

Transfers to: Registration Driver Module

Standard Modules:

Name: None

Function: None

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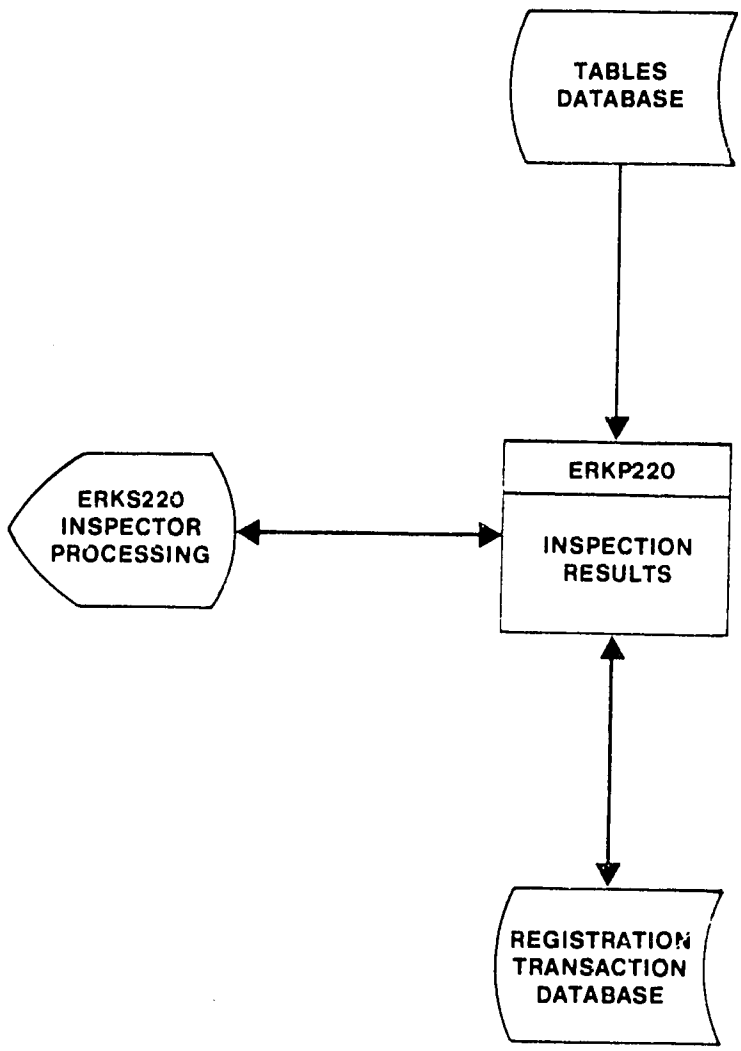
PROGRAM I/O DIAGRAM
INSPECTION RESULTS



PROCESSING LOGIC

```
0000-MAIN-PROCESS

     If COM-PROGRAM-STATE = 1
        GO TO 1000-INITIALIZATION
     Else
     If COM-PROGRAM-STATE = 2
        GO TO 2000-PROCESS-FIRST-SCREEN
     Else
     If COM-PROGRAM-STATE = 3
        GO TO 3000-PROCESS-RESULTS-DATA
     Else
     If COM-PROGRAM-STATE = 4
        GO TO 4000-PROCESS-VERIFY
     ENDIF
     SET MESSAGE-CODE TO 'PROGRAM STATE ERROR'
     PERFORM 9940-MESSAGE-PROCESSING
     PERFORM 0920-SEND-LINE
     SET COM-PROGRAM-STATE TO 9999
     GO TO 9990-TERMINATE
0920-SEND-LINE
     EXEC CICS SEND
          FROM (MSG-LINE)
          LENGTH (79)
          ERASE
     END-EXEC
```

1000-INITIALIZATION

```
SET COM-PANEL TO MAP-NAME (ERKS220)
SET COM-PANEL-SET TO MAP-SET-NAME (ERKS220S)
SET COM-TRAN-ID TO PROGRAM-TRANSACTION-ID (K220)
SET COM-ACTIVE-PFKS TO NULL
IF COM-USERTYPE = AUDITOR OR
                  INSPECTOR - SUPERVISOR
   NEXT-SENTENCE
Else
   SET MESSAGE-CODE TO 'INVALID ACCESS'
   GO TO 9920-SEND-AND-TERMINATE
ENDIF
SET COM-ACTIVE-PFKS TO 'EXIT'
                       'ENTER KEY'
SET COM-PROGRAM-STATE TO 2
SET MESSAGE-CODE TO 'ENTER TRANSACTION NUMBER'
GO TO 9910-SEND-AND-RETURN
```

```
2000-PROCESS-FIRST-SCREEN

     PERFORM 2910-RECEIVE-SCREEN
     If PFK-ENTER-KEY
        PERFORM 2100-PROCESS-TRANSACTION-NUMBER
     Else
     If PFK-EXIT
        SET MESSAGE-CODE TO 'PROGRAM TERMINATED'
        GO TO 9920-SEND-AND-TERMINATE
     ENDIF
     GO TO 9910-SEND-AND-RETURN

2100-PROCESS-TRANSACTION-NUMBER

     SET SSA1 TO LOW-VALUES
     SET SSA1-REGISTRATION-TRANSACTION-NUMBER
        TO MAP-REGISTRATION-TRANSACTION-NUMBER
     CALL 'CBLTDLI' FOR GET UNIQUE
                INDIVIDUAL-REGISTRATION-RECORD
                GREATER THAN SSA1
     If NOT FOUND OR REGISTRATION-TRANSACTION-NUMBER NOT = MAP-
          REGISTRATION-TRANSACTION-NUMBER
        SET MESSAGE-CODE TO 'NOT FOUND'
        GO TO 9910-SEND-AND-RETURN
     ENDIF
     If STATUS-CODE NOT = '31'
        SET MESSAGE-CODE TO 'INVALID STATUS'
        GO TO 9910-SEND-AND-RETURN
     ENDIF
```

```
    If COM-USERTYPE = AUDITOR AND
       COM-USER-SIN NOT = AUDIT-SIN
       SET MESSAGE-CODE TO 'INVALID ACCESS'
       GO TO 9910-SEND-AND-RETURN
    ENDIF
    If TRANSACTION-REGISTRATION-LOCATION NOT =
       USER-REGISTRATION-LOCATION
       SET MESSAGE-CODE TO 'INVALID LOCATION'
       GO TO 9910-SEND-AND-RETURN
    ENDIF
    INITIALIZE DATE-INSPECTION-COMPLETED TO CURRENT-DATE
    FORMAT SCREEN-MAP FROM INDIVIDUAL-
           REGISTRATION-RECORD, CODE-DESCRIPTIONS
    SET COM-ACTIVE-PFKS TO 'EXIT'
                           'ENTER KEY'
    SET MESSAGE-CODE TO 'ENTER INSPECTION RESULTS'
    SET PROGRAM-STATE TO 3

2910-RECEIVE-SCREEN

    EXEC CICS RECEIVE
         MAPSET (COM-PANEL-SET)
         MAP (COM-PANEL)
         SET (COM-PANEL-POINTER)
    END-EXEC
```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```
3000-PROCESS-RESULTS-DATA

     PERFORM 3910-RECEIVE-SCREEN
     If PFK-ENTER-KEY
        PERFORM 3100-EDIT-RESULTS
     Else
     If PFK-EXIT
        SET MESSAGE-CODE TO 'PROGRAM TERMINATED'
        GO TO 9920-SEND-AND-TERMINATE
     ENDIF
     GO TO 9910-SEND-AND-RETURN

3100-EDIT-RESULTS

     FORMAT SSA2 FOR TABLES-RECORD-KEY,
            INSPECTION-RESULTS-TABLE EQUAL
            TO MAP-INSPECTION-RESULTS
     CALL 'CBLTDLI' FOR GET UNIQUE
             TABLES-RECORD
             EQUAL TO SSA2
     If NOT FOUND
        SET MESSAGE-CODE TO 'INVALID' INSPECTION RESULTS'
        GO TO 9910-SEND-AND-RETURN
     ENDIF
```

```
FORMAT SCREEN MAP FOR INSPECTION-RESULTS-DESCRIPTION
SET COM-ACTIVE-PFKS TO 'EXIT'
                       'VERIFY-STOP'
                       'VERIFY-CONTINUE'
                       'RESTART'
SET MESSAGE-CODE TO 'PRESS VERIFY PFK FOR UPDATE'
SET PROGRAM-STATE TO 4

3910-RECEIVE-SCREEN

EXEC CICS RECEIVE
     MAPSET (COM-PANEL-SET)
     MAP (COM-PANEL)
     SET (COM-PANEL-POINTER)
END-EXEC
```


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```
4000-PROCESS-VERIFY

    PERFORM 4910-RECEIVE-SCREEN
    If PFK-VERIFY-CONTINUE
       SET NEW-STATUS-CODE TO '35'
       PERFORM 4100-POST-TRANSACTION
    Else
    If PFK-VERIFY-STOP
       SET NEW-STATUS-CODE TO '36'
       PERFORM 4100-POST-TRANSACTION
    Else
    If PFK-RESTART
       PERFORM 4200-RESTART
    Else
    If PFK-EXIT
       SET MESSAGE-CODE TO 'PROGRAM TERMINATED'
       GO TO 9920-SEND-AND-TERMINATE
    ENDIF
    GO TO 9910-SEND-AND-RETURN
```

```
4100-POST-TRANSACTION

     CALL 'CBLTDLI' FOR GET HOLD UNIQUE
              INDIVIDUAL-TRANSACTION-RECORD
                GREATER THAN SSA1
     SET DATE-INSPECTION-COMPLETED TO
        MAP-DATE-INSPECTION-COMPLETED
     SET INSPECTION-RESULTS TO
        MAP-INSPECTION-RESULTS
     SET STATUS-CODE TO NEW-STATUS-CODE
     CALL 'CBLTDLI' FOR REPLACE
              INDIVIDUAL-TRANSACTION-RECORD
     CLEAR MAP DATA
     SET MESSAGE-CODE TO 'SUCCESSFUL UPDATE'
     SET COM-ACTIVE-PFKS TO 'EXIT'
                            'ENTER KEY'
     SET PROGRAM-STATE TO 2

4200-RESTART

     CLEAR MAP-DATA
     SET MESSAGE-CODE TO 'PROGRAM RESTARTED'
     SET COM-ACTIVE-PFKS TO 'EXIT'
                            'ENTER KEY'
     SET PROGRAM-STATE TO 2
```

4910-RECEIVE-SCREEN

```
EXEC CICS RECEIVE
     MAPSET (COM-PANEL-SET)
     MAP (COM-PANEL)
     SET (COM-PANEL-POINTER)
END-EXEC
```

```
9910-SEND-AND-RETURN

     If MESSAGE-CODE NOT EMPTY
        PERFORM 9940-MESSAGE-PROCESSING
     ENDIF
     PERFORM 9950-SEND-SCREEN
     GO TO 9999-RETURN

9920-SEND-AND-TERMINATE

     IF MESSAGE-CODE NOT EMPTY
        PERFORM 9940-MESSAGE-PROCESSING
     ENDIF
     PERFORM 9950-SEND-SCREEN
     GO TO 9990-TERMINATE

9940-MESSAGE-PROCESSING

     FORMAT MSG-LINE FROM MESSAGE-CODE

9950-SEND-SCREEN

     EXEC CICS SEND
          MAPSET (COM-PANEL-SET)
          MAP (COM-PANEL)
          FREEKB
          ERASE
          FSET
          CURSOR
     END-EXEC
```

```
9990-TERMINATE

     SET COM-TRAN-ID TO 'REGISTRATION DRIVER'
     GO TO 9999-RETURN

9999-RETURN

     EXEC CICS RETURN
          TRANSID (COM-TRAN-ID)
          COMMAREA (DFHCOMMAREA-W)
          LENGTH (COM-LENGTH)
     END-EXEC
```

PROGRAM DESCRIPTION

System: Registration

Subsystem: Individuals Registration

Function: Data Base Inquiry

Program: ERKP310 - Query By Name

CICS Trans ID: K310

Author: SWB

Date f.c.: 31 July 198

Date l.u.: 31 July 198

Phase: 2

Description:

The Query By Name subprogram will allow for the search of the National Individual Names Database with the primary search field of the name of a registered individual.

This subprogram is used to determine the correct SIN for an individual using the individual's name and optionally BIRTH-LOCATION, DATE-OF-BIRTH and SEX-CODE. Access to this program is not limited beyond the standard CICS access control since several user types (Data Entry Clerk, Auditor, Inspector) might need to search on names, however, the standard protection based on the SENSITIVITY-INDICATOR will prevent the display of data fields other than FULL-NAME if the indicator is on and the user is not authorized access to sensitive data.

The user enters the starting position for searching the National Individual Names Database and additional controlling values as indicated below:

- o Full Name (or Partial Name) determines starting position
- o Selection can be limited to those records that match on:
  - Birth Location
  - Date of Birth
  - Sex Code.

The program builds a Segment Search Argument (SSA) that specifies the search parameters and successive records are retrieved until the screen is full, or no more records exist matching the search criteria, or the end of the database is reached. If the screen

is full and more records exist that match the search criteria, the FULL-NAME of the next record on the database is provided in a modifyable field at the bottom of the screen. If the user presses the 'continue search' this 'search start name' is used to establish the initial position for the next search of the database. The user can change the search start name if he/she wishes.

There are two additional control features available:

- o Continuous Search-Roll over to new names
- o Limited Search-Just show records with identical FULL-NAME (or partial name)
- o Give count only - if limited search is used, the program can be directed to show only the count of records that exist for FULL-NAME (or partial name) within additional selection criteria (Date of Birth, Birth Location, Sex Code).

INPUTS:

Files: National Individual Names Database

Screens: Query by Name (ERKS310)

Reports: None

Documents: None

OUTPUTS:

Files: None

Screens: Query by Name (ERKS310)

Reports: None

Documents: None

INTERFACE:

Invoked by: Registration Driver Module

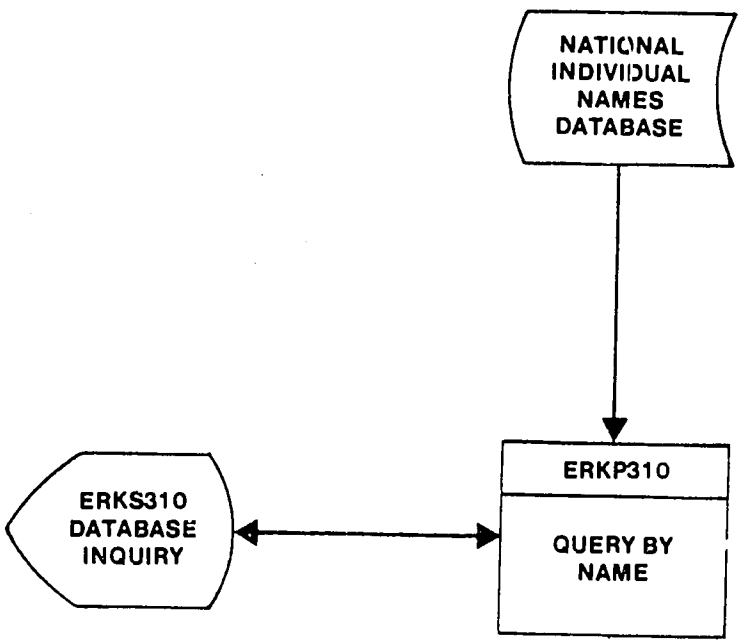
Transfers to: Registration Driver Module

STANDARD MODULES:

Name: None

Function: None

PROGRAM I/O DIAGRAM
QUERY BY NAME



```
PROCESSING LOGIC
0000-MAIN-PROCESS
     IF COM-PROGRAM-STATE = 1
          GO TO 1000-INITIALIZATION
     ELSE
     IF COM-PROGRAM-STATE = 2
          GO TO 2000-PROCESS-NAMES-DISPLAY-SCREEN
     ENDIF
     SET MESSAGE-CODE TO 'PROGRAM-STATE-ERROR'
     PERFORM 9940-MESSAGE-PROCESSING
     PERFORM 0920-SEND-LINE
     GO TO 9990-TERMINATE
0920-SEND-LINE
     EXEC CICS SEND
          FROM (MSG-LINE)
          LENGTH (79)
          ERASE
     END-EXEC
1000-INITILIZATION
     SET COM-PANEL TO MAP-NAME (EPKS310)
     SET COM-PANEL-SET TO MAP-SET-NAME (ERKS310S)
     SET COM-TRAN-ID TO PROGRAM-TRANSACTION-ID (K310)
     IF COM-ACTIVE-PFKS TO 'EXIT'
                           'CONTINUOUS SEARCH'
                           'LIMITED SEARCH'
                           'LIMITED SEARCH - COUNT ONLY'
     SET COM-PROGRAM-STATE to 2
     GO to 9910-SEND-AND-RETURN
```

```
2000-PROCESS-NAMES-DISPLAY-SCREEN
     PERFORM 2910-RECEIVE-SCREEN
     IF PFK-CONTINUOUS-SEARCH
          SET SEARCH-TYPE TO 'CONTINUOUS'
          PERFORM 2100-SEARCH-NAMES
     ELSE
     IF PFK-LIMITED-SEARCH
          SET SEARCH-TYPE TO 'LIMITED'
          SET COMPARE-NAME TO MAP-NEXT-SCAN-START
          PERFORM 2100-SEARCH-NAMES
     ELSE
     IF PFK-LIMITED-SEARCH-COUNT-ONLY
          SET COMPARE-NAME TO MAP-NEXT-SCAN-START
          SET SEARCH-TYPE TO 'LIMITED-COUNT-ONLY'
          PERFORM 2100-SEARCH-NAMES
     ELSE
     IF PFK-EXIT
          SET MESSAGE-CODE TO 'PROGRAM-TERMINATED'
          PERFORM 9920-SEND-AND-TERMINATE
     ENDIF
     GO TO 9910-SEND-AND-RETURN
2100-SEARCH-NAMES
     SET NAME-SCAN-START to MAP-NEXT-SCAN-START
     IF MAP-NEXT-SCAN-BIRTH-LOCATION NOT EQUAL SPACES
          SET SELECT-ON-BIRTH-LOCATION TO ON
          SET   SELECT-BIRTH-LOCATION   TO   MAP-NEXT-SCAN-BIRTH-
          LOCATION
```

```
ELSE
     SET SELECT-ON-BIRTH-LOCATION TO OFF
ENDIF
IF MAP-NEXT-SCAN-BIRTH-DATE NOT EQUAL TO SPACES
     SET SELECT-ON-BIRTH-DATE TO ON
     CALL 'DATECEI' FOR MAP-NEXT-SCAN-BIRTH-DATE
                        SELECT-BIRTH-DATE
     IF SELECT-BIRTH-DATE = LOW VALUES
          SET MESSAGE-CODE TO 'INVALID DATE'
          GO TO 9910-SEND-AND-RETURN
     ENDIF
ELSE
     SET SELECT-ON-BIRTH-DATE TO OFF
ENDIF
IF MAP-NEXT-SCAN-SEX-CODE NOT EQUAL TO SPACES
     SET SELECT-ON-SEX-CODE TO ON
     SET SELECT-SEX-CODE TO MAP-NEXT-SCAN-SEX-CODE
ELSE
     SET SELECT-ON-SEX-CODE TO OFF
ENDIF
FORMAT SSA1 FOR NAME SCAN:
INDIVIDUAL-NAME-RECORD-KEY  GREATER THAN OR EQUAL TO  NAME-
SCAN-START
IF SELECT-ON-BIRTH-LOCATION IS ON
     APPEND TO SSA1
     `AND BIRTH-LOCATION EQUAL TO SELECT-BIRTH-LOCATION'
ENDIF
```

```
     IF SELECT-ON-BIRTH-DATE IS ON
          APPEND to SSA1
          'AND BIRTH-DATE EQUAL TO SELECT-BIRTH-DATE'
     ENDIF
     IF SELECT-ON-SEX-CODE
          APPEND TO SSA1
          'AND SEX-CODE EQUAL TO SELECT-SEX-CODE'
     ENDIF
     SET MAP-SUB TO ZERO
     SET MAP-NAME-LINES TO SPACES
     SET MORE-LINES-FLAG TO ON
     SET FIRST-TIME-FLAG TO ON
     PERFORM 2110-BUILD-LINE UNTIL MORE-LINES-FLAG IS OFF
2110-BUILD-LINE
     IF FIRST-TIME-FLAG IS ON
          SET FIRST-TIME-FLAG TO OFF
          SET FUNC TO GETUNIQUE
     ELSE
          SET FUNC TO GETNEXT
     ENDIF
     CALL 'CBLTDLI' FOR FUNC
          INDIVIDUAL-NAME-RECORD
          GREATER THAN OR EQUAL TO SSA1
     IF FOUND
          PERFORM 2111-CHECK-LINE
     ELSE
          SET MORE-LINES-FLAG to off
2111-CHECK-LINE
```

```
IF SEARCH-TYPE IS 'LIMITED' OR
                    'LIMITED-COUNT-ONLY'
     PERFORM 2111A-CHECK-NAME-CHAR
          VARYING NAME-SUB FROM 1 BY 1 UNTIL
          (MAP-NAME-CHAR  (NAME-SUB)  NOT EQUAL TO COMPARE-
          NAME-CHAR (NAME-SUB)) OR
          NAME-SUB > COMPARE-LENGTH
     IF NAME-SUB > COMPARE-LENGTH
          NEXT SENTENCE
     ELSE
          SET MORE-LINES-FLAG TO OFF
     ENDIF
ENDIF
IF MORE-LINES-FLAG IS ON AND SEARCH-TYPE IS 'LIMITED-COUNT-
ONLY'
     ADD 1 TO FOUND-COUNT
ENDIF
IF (MORE-LINES-FLAG IS ON) AND
     (SEARCH-TYPE IS 'CONTINUOUS' OR
                    'LIMITED')
     PERFORM 2111B-FORMAT-LINE
ENDIF
2111A-CHECK-NAME-CHAR
     "NULL PARAGRAPH"
2111B-FORMAT-LINE
     ADD 1 TO MAP-SUB
     IF MAP-SUB < MAX-LINES-ON-SCREEN
```

```
            SET MAP-FULL-NAME (MAP-SUB) TO FULL-NAME
            SET MAP-BIRTH-LOCATION (MAP-SUB) TO BIRTH-LOCATION
            CALL 'DATECIE' USING DATE-OF-BIRTH
            MAP-DATE-OF-BIRTH (MAP-SUB)
            SET MAP-SEX-CODE TO SEX-CODE
            SET MAP-SIN (MAP-SUB) TO INDIVIDUAL-SIN
            SET MAP-STATUS-CODE (MAP-SUB) TO INDIVIDUAL-STATUS-CODE
        ELSE
            SET MORE-LINES-FLAG TO OFF
            SET MAP-NEXT-SCAN-START to FULL-NAME
        ENDIF
        IF MORE-LINES-FLAG IS ON AND SENSITIVITY-INDICATOR IS ON AND
        USER-ACCESS-TO-SENSITIVE AREA IS OFF
            SET MAP-BIRTH-LOCATION (MAP-SUB) to spaces
            SET MAP-DATE-OF-BIRTH (MAP-SUB) to spaces
            SET MAP-SEX-CODE (MAP-SUB) to spaces
            SET MAP-SIN (MAP-SUB) to spaces
            SET MAP-STATUS-CODE (MAP-SUB) to spaces
        ENDIF
2910-RECEIVE-SCREEN
        EXEC CICS RECEIVE
            MAPSET (COM-PANEL-SET)
            MAP (COM-PANEL)
            SET (COM-PANEL-POINTER)
        END-EXEC.
9910-SEND-AND-RETURN
        IF MESSAGE-CODE NOT EMPTY
            PERFORM 9940-MESSAGE-PROCESSING
```

```
      ENDIF
      PERFORM 9950-SEND-SCREEN
      GO TO 9999-RETURN.
 9920-SEND-AND-TERMINATE
      IF MESSAGE-CODE NOT EMPTY
           PERFORM 9940-MESSAGE-PROCESSING
      ENDIF
      PERFORM 9950-SEND-SCREEN
      GO TO 9990-TERMINATE
 9940-MESSAGE-PROCESSING
      FORMAT MSG-LINE FROM MESSAGE-CODE
 9950-SEND-SCREEN
      EXEC CICS SEND
           MAPSET (COM-PANEL-SET)
           MAP (COM-PANEL)
           FREEKB
           ERASE
           FSET
           CURSOR
      END-EXEC.
 9990-TERMINATE
      SET COM-TRAN-ID TO 'REGISTRATION DRIVER'
      GO TO 9999-RETURN
 9999-RETURN
      EXEC CICS RETURN
           TRANSID (COM-TRAN-ID)
           COMMAREA (DFHCOMMAREA-W)
```

```
    LENGTH (COM-LENGTH)
END-EXEC.
```

PROGRAM DESCRIPTION

System: Registration

Subsystem: Individuals Registration

Function: Data Base Inquiry

Program: ERKP320 - Query By SIN

CICS Trans ID: K320

Author: SWB

Date f.c.: 7/31/84

Date l.u.: 8/22/84

Phase: 2

Description:

The Query By SIN subprogram will display personal and status data for a registered individual from the National Individuals Database.

If the individual record requires authority for sensitive access, only a confirmation that the SIN is in the data base will be provided, not Part I or Part II data, if the user does not have sensitive access authority.

INPUTS:

Files: Tables, National Individuals Databases

Screens: Query by SIN (ERKS320)

Reports: None

Documents: None

OUTPUTS:

Files: None

Screens: Query by SIN (ERKS320)

Reports: None

Documents: None

INTERFACE:

Invoked by: Registration Driver Module

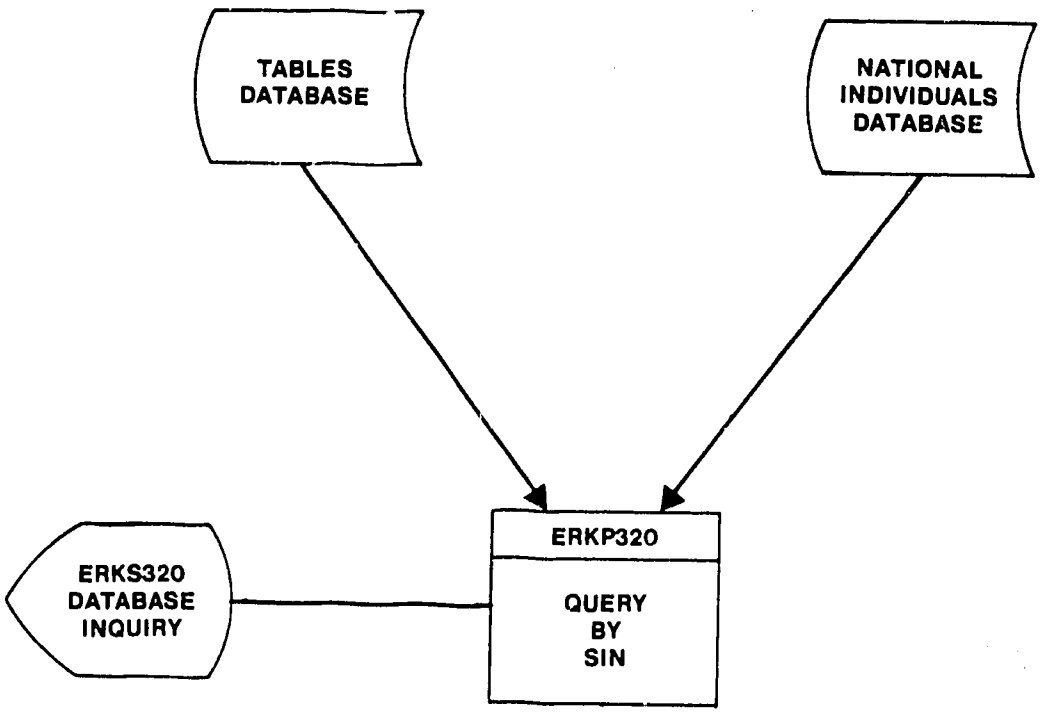
Transfers to: Registration Driver Module

STANDARD MODULES:

Name: None

Function: None

PROGRAM I/O DIAGRAM
QUERY BY SIN



PROCESSING LOGIC

```
0000-MAIN-PROCESS
     IF COM-PROGRAM-STATE = 1
          GO TO 1000-INITIALIZATION
     ELSE
     IF COM-PROGRAM-STATE = 2
          GO TO 2000-PROCESS-DETAIL-DISPLAY-SCREEN
     ENDIF
     SET MESSAGE-CODE TO 'PROGRAM-STATE-ERROR'
     PERFORM 9940-MESSAGE-PROCESSING
     PERFORM 0920-SEND-LINE
     GO TO 9990-TERMINATE
0920-SEND-LINE
     EXEC CICS SEND
          FROM (MSG-LINE)
          LENGTH (79)
          ERASE
     END-EXEC
```

```
1000-INITILIZATION
     SET COM-PANEL TO MAP-NAME (ERKS320)
     SET COM-PANEL-SET TO MAP-SET-NAME (ERKS320S)
     SET COM-TRAN-ID TO PRCGRAM-TRANSACTION-ID (K320)
     IF COM-ACTIVE-PFKS TO 'EXIT'
                           'ENTER KEY'
     SET COM-PROGRAM-STATE to 2
     GO to 9910-SEND-AND-RETURN
2000-PROCESS-DETAIL-DISPLAY-SCREEN
     PERFORM 2910-RECEIVE-SCREEN
     IF PFK-ENTER-KEY
          PERFORM 2100-DETAIL-DISPLAY
     ELSE
     IF PFK-EXIT
          SET MESSAGE-CODE TO 'PROGRAM TERMINATED'
          PERFORM 9920-SEND-AND-TERMINATE
     ENDIF
     GO TO 9910-SEND-AND-RETURN
2100-DETAIL-DISPLAY
     SET SSA1 TO MAP-SIN
     CALL 'CBLTDLI' FOR GETUNIQUE INDIVIDUAL-RECORD EQUAL TO SSA1
     IF FOUND
          FORMAT  SCREEN-MAP USING INDIVIDUAL-RECORD AND  TABLES-
          DATABASE
     ELSE
          SET MESSAGE-CODE TO 'NOT FOUND'
     ENDIF
     IF FOUND AND
```

```
        SENSITIVITY-INDICATOR IS ON AND
        USER-ACCESS-TO-SENSITIVE-DATA IS OFF
             SET SCREEN-MAP TO SPACES
             SET MESSAGE-CODE TO 'ILLEGAL ACCESS'
        ENDIF
 2910-RECEIVE-SCREEN
        EXEC CICS RECEIVE
             MAPSET (COM-PANEL-SET)
             MAP (COM-PANEL)
             SET (COM-PANEL-POINTER)
        END-EXEC
 9910-SEND-AND-RETURN
        IF MESSAGE-CODE NOT EMPTY
             PERFORM 9940-MESSAGE-PROCESSING
        ENDIF
        PERFORM 9950-SEND-SCREEN
        GO TO 9999-RETURN
 9920-SEND-AND-TERMINATE
        IF MESSAGE-CODE NOT EMPTY
             PERFORM 9940-MESSAGE-PROCESSING
        ENDIF
        PERFORM 9950-SEND-SCREEN
        GO TO 9990-TERMINATE
 9940-MESSAGE-PROCESSING
        FORMAT MSG-LINE FROM MESSAGE-CODE
 9950-SEND-SCREEN
        EXEC CICS SEND
```

```
            MAPSET (COM-PANEL-SET)
            MAP (COM-PANEL)
            FREEKB
            ERASE
            FSET
            CURSOR
        END-EXEC

9990-TERMINATE
        SET COM-TRAN-ID TO 'REGISTRATION DRIVER'
        GO TO 9999-RETURN
9999-RETURN
        EXEC CICS RETURN
            TRANSID (COM-TRAN-ID)
            COMMAREA (DFHCOMMAREA-W)
            LENGTH (COM-LENGTH)
        END-EXEC
```

PROGRAM DESCRIPTION

System:	Registration	Date f.c.:	31 July 1984
Subsystem:	Individuals Registration	Date l.u.:	21 July 1984
Function:	Batch Processing	Phase:	2
Program:	ERKP410 - Batch Transaction Processing		
CICS Trans ID:	K410		
Author:	SWB		

Description:

The Batch Transaction Processing program provides for the batch entry of registration transactions for original applicants, individual record modification, address change and ID card reissue transactions.

The input transactions are read from the Batch Transaction File; the data fields are edited; and if the edit is passed processing continues as referenced in the table below.

BATCH TRANSACTION PROCESSING

TRANSACTION TYPE	DESIRED STATUS CODE	PROCESSING
"O" Original Application	11, 15	Add to the Registration Transaction database with same status code, report, no record written to the Batch Audit File.
	21, 25, 26, 28	Add to database with status-code of 15, report, write record to the Batch Audit File.
"I" Modify Individual Record (Part I Data Changed)	11, 15	Get corresponding record from Database, add records to Registration Transaction Database, with the same status code, report, no record written to batch audit file.
	21, 25, 26, 28	Same as above except add with status code 15 and write to batch audit file.
"M" Modify Individual Record (Part I Data Not Changed)	11, 15	Get corresponding record from National Individuals Database, add records to Registration Transaction Database, with the same status code, report, no record written to batch audit file.
	21, 25, 26, 28	Same as above except add with status code 15 and write to batch audit file.
"R" ID CARD REISSUE	11,15	Get corresponding record from National Individuals Database, add records to Registration Transaction Database, report, no record written to Batch Audit File.

	21, 25, 26, 28	Same as above except add with status code 15 and write to batch audit file.
"G" GLOBAL VERIFY	48, 49	Write to batch audit file
"V" ID CARD VERIFICATION	48, 49	Write to batch audit file

INPUTS:

Files: Tables, National Individuals, Control Databases, Batch Transaction File

Screens: None

Reports: None

Documents: None

OUTPUTS:

Files: Control, Registration Transaction Databases

Screens: None

Reports: Individual Registration Statement (ERKR410)
Batch Transaction Register (ERKR411)

Documents: None

INTERFACE:

Invoked by: Operating System

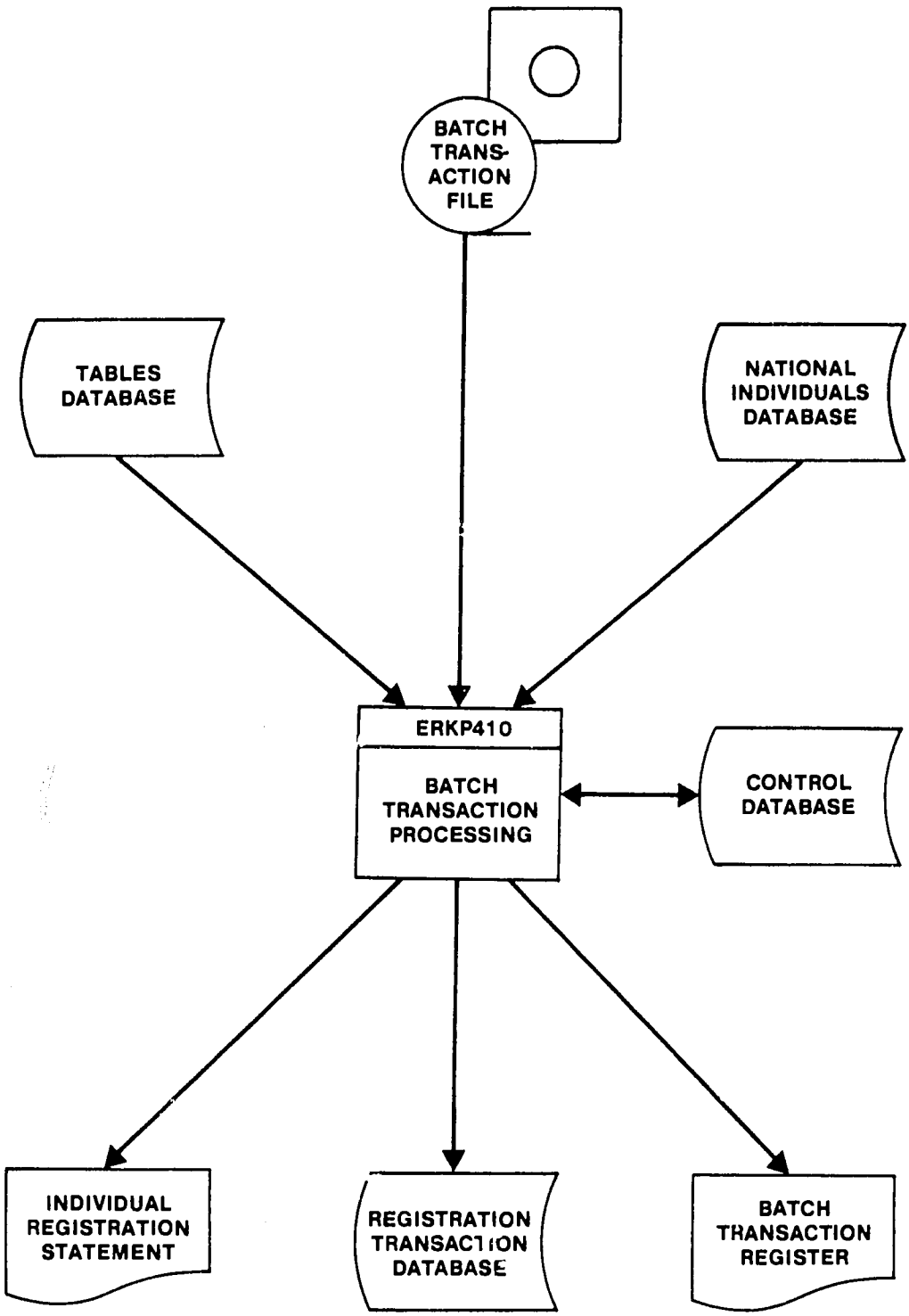
Transfers to: Operating System

STANDARD MODULES:

Name: None

Function: None

PROGRAM I/O DIAGRAM
BATCH TRANSACTION PROCESSING



PROCESSING LOGIC:

```
0000-MAIN-PROCESS
     OPEN INPUT BATCH-TRANSACTION-FILE
     PERFORM 0100-GET-NEXT-TRAN-NO
     SET MORE-BATCH-TRANS-EXIST TO YES
     PERFORM 1000-PROCESS-NEXT-TRAN
         UNTIL
             MORE-BATCH-TRANS-EXIST = NO
     PERFORM 0200-REPLACE-NEXT-TRAN-NO
     STOP RUN
0100-GET-NEXT-TRAN-NO
     SET SSA1 TO "REGISTRATION TRANSACTION NUMBER"
     CALL  'CBLTDLI' FOR GET HOLD UNIQUE CONTROL-RECORD EQUAL  TO
     SSA1
0200-REPLACE-NEXT-TRAN-NO
     CALL 'CBLTDLI' FOR REPLACE CONTROL-RECORD
1000-PROCESS-NEXT-TRAN
     READ BATCH-TRANSACTION-FILE
         AT END SET MORE-BATCH-TRANS-EXIST TO NO
     IF MORE-BATCH-TRANS-EXIST = YES
         SET ERROR-COUNT-FOR-REC TO ZERO
         SET VALID-TRANSACTION-FLAG TO YES
         PERFORM 1100-EDIT-TRANSACTION
         IF VALID-TRANSACTION FLAG = YES
             PERFORM 1200-POST-TRANSACTION
     ENDIF
     IF MORE-BATCH-TRANS-EXIST = YES AND VALID-TRANSACTION FLAG =
     YES AND STATUS-CODE OF BATCH-REGISTRATION-REC > 15
```

```
        PERFORM 1300-WRITE-BATCH-AUDIT-FILE
    ENDIF
    IF MORE-BATCH-TRANS-EXIST = YES
        PERFORM 1400-WRITE-REGISTER
        IF PRINT-STATEMENT-INDICATOR OF BATCH-TRANSACTION-RECORD
        = YES
            PERFORM 1500-WRITE-STATEMENT
        ENDIF
    ENDIF

1100-EDIT-TRANSACTION
    IF TRANSACTION-TYPE = 'O' OR 'M' or 'R' OR 'I'
    IF STATUS CODE      = 11 OR 15 OR 21 OR 25 OR 26 OR 28
        NEXT SENTENCE
    ELSE
        ADD 1 TO ERROR-COUNT-FOR-REC
        SET  ERROR-CODE (ERROR-COUNT-FOR-REC) TO 'INVALID STATUS
        CODE'
        SET VALID-TRANSACTION-FLAG TO NO
    ELSE
    IF TRANSACTION-TYPE = 'G' OR 'V'
        IF STATUS-CODE = 48 OR 49
            NEXT SENTENCE
        ELSE
            ADD 1 TO ERROR-COUNT-FOR-REC
            SET ERROR-CODE (ERROR-COUNT-FOR-REC) TO 'INVALID  STATUS
            CODE'
            SET VALID-TRANSACTION-FLAG TO NO
```

```
        ELSE
            ADD 1 TO ERROR-COUNT-FOR-REC
            SET   ERROR-CODE   (ERROR-COUNT-FOR-REC)   TO   'INVALID
            TRANSACTION TYPE'
            SET VALID-TRANSACTION-FLAG TO NO
        ENDIF
        IF VALID-TRANSACTION-FLAG = YES
            IF TRANSACTION-TYPE = 'O'
                PERFORM 1110-EDIT-ORIGINAL
            ELSE
            IF TRANSACTION-TYPE = 'I'
                PERFORM 1120-EDIT-PART-I-DATA-MODIFY
            ELSE
            IF TRANSACTION-TYPE = 'M'
                PERFORM 1130-EDIT-MODIFY
            ELSE
            IF TRANSACTION-TYPE = 'R'
                PERFORM 1140-EDIT-REISSUE
            ELSE
            IF TRANSACTION-TYPE = 'G'
                PERFORM 1150-EDIT-GLOBAL-VERIFY
            ELSE
                PERFORM 1160-EDIT-SINGLE-VERIFY
            ENDIF
        ENDIF
    1110-EDIT-ORIGINAL
        APPLY EDIT TABLE FOR ORIGINAL ENTRY
```

```
1120-EDIT-PART-I-DATA-MODIFY
     APPLY EDIT TABLE FOR MODIFY PART I DATA
1130-EDIT-MODIFY
     APPLY EDIT TABLE FOR MODIFY INDIVIDUAL RECORD
1140-EDIT-REISSUE
     APPLY EDIT TABLE FOR REISSUE ID CARD
1150-EDIT-GLOBAL-VERIFY
     APPLY  EDIT  TABLE  FOR  GLOBAL  VERIFICATION  OF  ID  CARD
     RECEIPT/NON-RECEIPT
1160-EDIT-SINGLE-VERIFY
     APPLY  EDIT  TABLE  FOR  SINGLE  VERIFICATION  OF  ID  CARD
     RECEIPT/NON-RECEIPT
1200-POST-TRANSACTION
     IF TRANSACTION-TYPE = 'O'
         PERFORM 1210-POST-ORIGINAL
     ELSE
     IF TRANSACTION TYPE = 'M' OR 'I'
         PERFORM 1220-POST-MODIFY
     ELSE
     IF TRANSACTION TYPE = 'R'
         PERFORM 1230-POST-REISSUE
     ENDIF
1210-POST-ORIGINAL
     FORMAT  REGISTRATION-TRANSACTION-REC FROM BATCH-TRANSACTION-
     REC
     IF STATUS-CODE OF REGISTRATION-TRANSACTION-REC > 15
         SET STATUS-CODE OF REGISTRATION-TRANSACTION-REC TO 15
     SET  REGISTRATION-TRANSACTION-NUMBER  TO  NEXT-TRANSACTION-
```

```
NUMBER
ADD 1 TO NEXT-TRANSACTION-NUMBER
CALL 'CBLTDLI' FOR INSERT REGISTRATION-TRANSACTION-REC
1220-POST-MODIFY
SET SSA1 TO SIN OF INDIVIDUAL-REGISTRATION-REC
CALL  'CBLTDLI'  FOR GET UNIQUE INDIVIDUAL-RECORD  EQUAL  TO
SSA1
IF FOUND
     IF TRANSACTION-TYPE = 'M' AND
     PART I DATA CHANGED
     ADD 1 TO ERROR-COUNT-FOR-REC
     SET ERROR-CODE (ERROR-COUNT-FOR-REC)
          TO 'CANNOT CHANGE PART I DATA
               WITH TYPE 'M'
     SET VALID-TRANSACTION-FLAG TO NO
ELSE
IF TRANSACTION-TYPE = 'I' AND
     PART I DATA NOT CHANGED
     ADD 1 TO ERROR-COUNT-FOR-REC
     SET ERROR-CODE (ERROR-COUNT-FOR REC)
     TO 'MUST CHANGE PART I DATA
          WITH TYPE 'I' TRANSACTION'
     SET VALID-TRANSACTION-FLAG TO NO
ELSE
     FORMAT INDIVIDUAL-REGISTRATION-RECORD
          FROM INDIVIDUAL-RECORD
     SET TRANSACTION-TYPE TO 'M'
```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```
            SET REGISTRATION-TRANSACTION-NUMBER
                 TO NEXT-TRANSACTION-NUMBER
            ADD 1 TO NEXT-TRANSACTION-NUMBER
            SET STATUS-CODE OF REGISTRATION-
                 TRANSACTION-REC TO 91
            SET RECORD-COUNT TO 9999
            CALL `CBLTDLI' FOR INSERT
                 REGISTRATION-TRANSACTION-REC
            SET RECORD-COUNT TO 9998
            FORMAT REGISTRATION-TRANSACTION-REC
                 FROM BATCH-TRANSACTION-REC
                 (MOVE NON-BLANK FIELDS)
        IF STATUS-CODE OF REGISTRATION- TRANSACTION- REC > 15
            SET STATUS-CODE OF REGISTRATION-
                 TRANSACTION-REC TO 15
            ENDIF
            CALL 'CBLTDLI' FOR INSERT
                 REGISTRATION-TRANSACTION-REC
            ELSE
        ELSE
            ADD 1 TO ERROR-COUNT-FOR-REC
            SET ERROR-CODE (ERROR-COUNT-FOR-REC)
                 TO I'INDIVIDUAL RECORD NOT FOUND'
            SET VALID-TRANSACTION-FLAG TO NO
1230-POST-REISSUE
        SET SSA1 TO SIN OF INDIVIDUAL-REGISTRATION-REC
        CALL 'CBLTDLI' FOR GET UNIQUE INDIVIDUAL-RECORD EQUAL TO SSA1
        IF FOUND
```

```
        FORMAT INDIVIDUAL-REGISTRATION-REC FORM
               INDIVIDUAL-RECORD AND
               BATCH-TRANSACTION-REC

        SET REGISTRATION-TRANSACTION-NUMBER TO  NEXT-TRANSACTION

        NUMBER

        ADD 1 TO NEXT-TRANSACTION-NUMBER

        SET RECORD-COUNT TO 9999

        IF STATUS-CODE OF BATCH-REGISTRATION-REC > 15

             SET STATUS CODE OF INDIVIDUAL-REGISTRATION-REC TO 15

        ENDIF

        CALL 'CBLTDLI' FOR INSERT REGISTRATION-TRANSCTION-REC

    ELSE

        ADD 1 TO ERROR-COUNT-FOR-REC

        SET   ERROR-CODE  (ERROR-COUNT-FOR-REC)  TO  'INDIVIDUAL

        RECORD NOT FOUND'

        SET VALID-TRANSACTION-FLAG TO NO

    ENDIF

1300-WRITE-BATCH-AUDIT-FILE

    WRITE BATCH-AUDIT-REC FROM BATCH-TRANSACTION-REC

1400-WRITE-REGISTER

    FORMAT PRINT-BUFFER FROM BATCH-TRANSACTION-REC

    IF VALID-TRANSACTION-FLAG = YES

        SET PRINT-MSG TO 'SUCCESSFUL'

    ELSE

        SET PRINT-MSG TO 'UNSUCCESSFUL'

    ENDIF

    PRINT REGISTER-DETAIL-BLOCK

    IF VALID-TRANSACTION-FLAG = NO
```


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```
        ADD 1 TO RECORDS-FAILED-COUNT
        PERFORM 1410-PRINT-ERROR-MSG
          VARYING ERROR-MSG-SUB  FROM 1 BY 1
          UNTIL ERROR-MSG-SUB > ERROR-COUNT-FOR-REC
1420-PRINT-ERROR-MSG
     SET ERROR-MSG-NUMBER TO ERROR-CODE (ERROR-MSG-SUB)
     FORMAT PRINT-LINE FROM ERROR-MSG-TEXT (ERROR-MSG-NUMBER)
     PRINT PRINT-LINE
1500-WRITE-STATEMENT
     IF PRINT-STATEMENT-INDICATOR = YES
         FORMAT  STATEMENT-DETAIL-BLOCK  FROM  BATCH-TRANSACTION-
         REC, REGISTRATION-TRANSACTION-NUMBER
         PRINT STATEMENT-DETAIL-BLOCK
     ENDIF
```

PROGRAM DESCRIPTION

System:	Registration	Date f.c.:	7/31/74
Subsystem:	Individuals Registration	Date l.u.:	8/22/84
Function:	Batch Processing	Phase:	2
Program:	ERKP420 - Batch Audit Processing		
CICS Trans ID:	K420		
Author:	SWB		

Description:

The Batch Audit Processing program provides for the batch audit and database update for previously entered original applicants, individual record modification, address change and ID card reissue transactions.

The input transactions are read from the Batch Transaction File; the data fields are edited; and if the edit is passed, processing continues as referenced in the table below.

BATCH TRANSACTION PROCESSING

TRANSACTION TYPE	DESIRED STATUS CODE	PROCESSING
"O"	21, 25	Update the Registration Transaction Record to the new status-code, report
	26	Same as above plus: Do Duplication Check If match found Report as Duplicate else Add to National Individuals Database and National Names Database
"M" Modify Individual Record	21, 25	Update the Registration Transaction Record to the New status-code, report
	26, 23	Same as above plus: If Part I data modified Do Duplication Check If match found Report as duplicate else Update National Individuals Database and Delete and Insert to National Individual Names Database else Update National Individual's Database

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BATCH TRANSACTION PROCESSING (CONTINUED)

TRANSACTION TYPE	DESIRED STATUS CODE	PROCESSING
"R" ID CARD REISSUE	21,25	Update the Registration Transaction Record to the new Status-code, report
	26	Same as above plus: Update the National Individuals Data base to add one to "number-of-id-cards-issued".
"G" GLOBAL VERIFY	48, 49	Verify all transactions on the Individual Registration Transaction Database as either non-receipt (48) or receipt (49) provided 1. They have the same "ID-Card-Distribution-CNTL-NBR", and 2. Their current status-code is ID card created (41)
"V" ID CARD VERIFICATION	48, 49	Verify the corresponding Registration Transaction record as either non-receipt (48) or receipt (49) provided the current status-code is ID card created (41).

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INPUTS:

Files: Tables, Registration Transaction, Control, National Names, National Individuals Databases; Batch Audit File

Screens: None

Reports: None

Documents: None

OUTPUTS:

Files: Registration Transaction, Control, National Names, National Individuals Databases

Screens: None

Reports: Batch Audit Register (ERKR420)

Documents: None

INTERFACE:

Invoked by: Operating System

Transfers to: Operating System

STANDARD MODULES:

Name: None

Function: None

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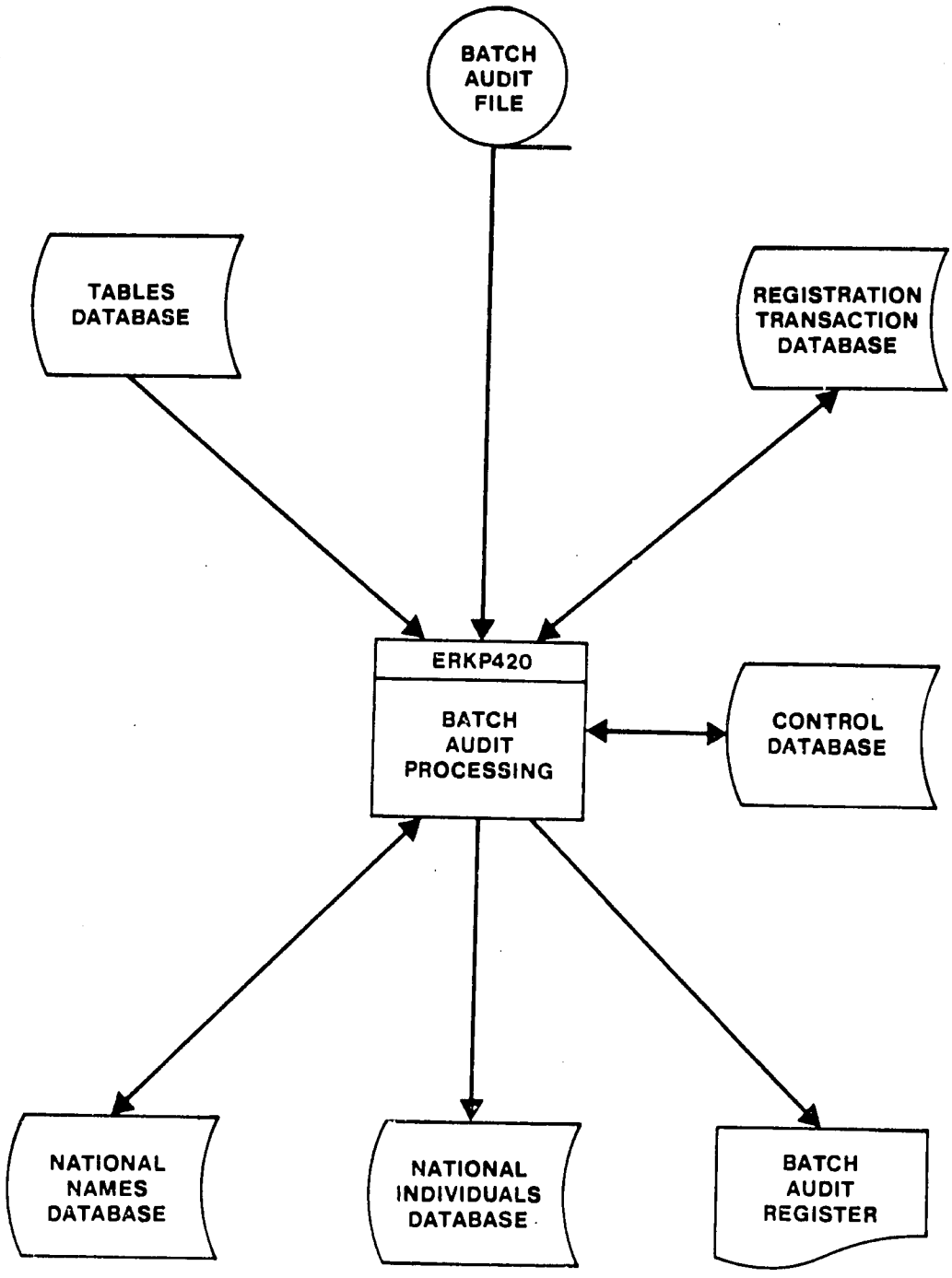
PROGRAM I/O DIAGRAM
BATCH AUDIT PROCESSING



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PROCESSING LOGIC:

```
0000-MAIN-PROCESS
     Open Input BATCH-AUDIT-FILE
     Set MORE-BATCH-TRANS-EXIST to YES
     PERFORM 1000-PROCESS-NEXT-TRAN
         UNTIL
             MORE-BATCH-TRANS-EXIST = NO
     STOP RUN


1000-PROCESS-NEXT-TRAN
     READ BATCH-AUDIT-FILE
         AT END
             SET MORE-BATCH-TRANS-EXIST TO NO
     IF MORE-BATCH-TRANS-EXIST = YES
         SET ERROR-COUNT-FOR-REC TO ZERO
         SET VALID-TRANSACTION-FLAG TO YES
         PERFORM 1100-EDIT-TRANSACTION
         IF VALID-TRANSACTION-FLAG = YES
             PERFORM 1200-POST-TRANSACTION
     ENDIF
     IF MORE-BATCH-TRANS-EXIST = YES
         PERFORM 1300-WRITE-REGISTER
     ENDIF
```


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```
1100-EDIT-TRANSACTION
     IF TRANSACTION-TYPE = 'O' OR 'M' OR 'R'
         IF STATUS-CODE = 21 OR 25 OR 26
             NEXT SENTENCE
         ELSE
             ADD 1 TO ERROR-COUNT-FOR-REC
             SET ERROR-CODE (ERROR-COUNT-FOR-REC)
                 TO 'INVALID STATUS CODE'
             SET VALID-TRANSACTION-FLAG TO NO
     ELSE
     IF TRANSACTION-TYPE = 'G' OR 'V'
         IF STATUS-CODE = 48 OR 49
             NEXT SENTENCE
         ELSE
             ADD 1 TO ERROR-COUNT-FOR-REC
             SET ERROR-CODE (ERROR-COUNT-FOR-REC)
                 TO 'INVALID STATUS CODE'
             SET VALID-TRANSACTION-FLAG TO NO
     ELSE
        ADD 1 TO ERROR-COUNT-FOR-REC
        SET ERROR-CODE (ERROR-COUNT-FOR-REC)
            TO 'INVALID TRANSACTION-TYPE'
        SET VALID-TRANSACTION-FLAG TO NO
    ENDIF
     IF VALID-TRANSACTION-FLAG = YES
         IF TRANSACTION-TYPE = 'O'
             PERFORM 1110-EDIT-ORIGINAL
         ELSE
```

```
            IF TRANSACTION-TYPE = 'M'
                PERFORM 1120-EDIT-MODIFY
            ELSE
            IF TRANSACTION-TYPE = 'R'
                PERFORM 1130-EDIT-REISSUE
            ELSE
            IF TRANSACTION-TYPE = 'G'
                PERFORM 1140-EDIT-GLOBAL-VERIFY
            ELSE
                PERFORM 1150-EDIT-SINGLE-VERIFY
            ENDIF
        ENDIF

1110-EDIT-ORIGINAL
        PERFORM 2000-DUPLICATION-CHECK
1120-EDIT-MODIFY
        PERFORM 2000-DUPLICATION-CHECK
1130-EDIT-REISSUE
        SET SSA2 TO REGISTRATION-TRANSACTION-NUMBER
        CALL 'CBLTDLI' FOR GET UNIQUE INDIVIDUAL-REGISTRATION-RECORD
        GREATER THAN SSA2
        IF NOT FOUND OR GREATER THAN REGISTRATION-TRANSACTION-NUMBER
            ADD 1 TO ERROR-COUNT-FOR-REC
            SET   ERROR-CODE  (ERROR-COUNT-FOR-REC)  TO  'INDIVIDUAL
            REGISTRATION RECORD NOT FOUND'
        ENDIF
1140-EDIT-GLOBAL-VERIFY
        SET SSA1 TO ID-CARD-DISTRIBUTION-CNTL-NBR
```


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```
    CALL  'CBLTDLI'  FOR GET NEXT ID CARD  DISTRIBUTION  CONTROL
    RECORD GREATER THAN SSA1
    IF NOT FOUND OR DIFFERENT CNTL-NBR
        ADD 1 TO ERROR-COUNT-FOR-REC
        SET ERROR-CODE (ERROR-COUNT-FOR-REC) TO 'CONTROL  RECORD
        NOT FOUND'
        SET VALID-TRANSACTION-FLAG TO NO
    ENDIF
1150-EDIT-SINGLE-VERIFY
    SET SSA2 TO REGISTRATION-TRANSACTION-NUMBER
    CALL 'CBLTDLI' FOR GET UNIQUE INDIVIDUAL-REGISTRATION-RECORD
    GREATER THAN SSA2
    IF NOT FOUND OR DIFFERENT REGISTRATION-TRANSACTION-NUMBER
        ADD 1 TO ERROR-COUNT-FOR-REC
        SET  ERROR-CODE  (ERROR-COUNT-FOR-REC)  TO   'INDIVIDUAL
        REGISTRATION RECORD NOT FOUND'
        SET VALID-TRANSACTION-FLAG TO NO
    ELSE
    IF STATUS-CODE NOT = 41
        ADD 1 TO ERROR-COUNT-FOR-REC
        SET ERROR-CODE (ERROR-COUNT-FOR-REC) TO 'INVALID CURRENT
        STATUS-CODE'
        SET VALID-TRANSACTION-FLAG TO NO
    ENDIF
```

```
1200-POST-TRANSACTION
     IF TRANSACTION-TYPE = 'O'
         PERFORM 1210-POST-ORIGINAL
     ELSE
     IF TRANSACTION-TYPE = 'M'
         PERFORM 1220-POST-MODIFY
     ELSE
     IF TRANSACTION TYPE = 'R'
         PERFORM 1230-POST-REISSUE
     ELSE
     IF TRANSACTION-TYPE = 'G'
         PERFORM 1240-POST-GLOBAL-VERIFY
     ELSE
     IF TRANSACTION-TYPE = 'V'
         PERFORM 1250-POST-SINGLE-VERIFY
     ENDIF
1210-POST-ORIGINAL
     SET SSA2 TO INDIVIDUAL-REGISTRATION-RECORD-KEY
     CALL 'CBLTDLI' FOR GET HOLD UNIQUE REGISTRATION-TRANSACTION-
     RECORD EQUAL TO SSA1
     SET STATUS-CODE TO DESIRED-STATUS-CODE
     SET STATUS-CHANGE-DATE TO INTERNAL-CURRENT-DATE
     SET AUDIT-DATE TO INTERNAL-CURRENT-DATE
     SET AUDIT-SIN TO 'BATCH'
     CALL 'CBLTDLI' FOR REPLACE REGISTRATION-TRANSACTION-RECORD
     IF DESIRED-STATUS-CODE = 26
         FORMAT    INDIVIDUAL-NAME-RECORD    FROM    REGISTRATION-
         TRANSACTION RECORD
```

```
        CALL 'CBLTDLI' FOR INSERT INDIVIDUAL-NAME-RECORD
        FORMAT  INDIVIDUAL-RECORD FROM REGISTRATION-TRANSACTION-
        RECORD
        CALL 'CBLTDLI' FOR INSERT INDIVIDUAL-RECORD
    ENDIF

1220-POST-MODIFY
    SET SSA4 TO INDIVIDUAL-SIN
    CALL 'CBLTDLI' FOR GET HOLD UNIQUE CURRENT-INDIVIDUAL-RECORD
    EQUAL TO SSA4
    IF   CURRENT-INDIVIDUAL-RECORD  NOT  =  ORIGINAL-INDIVIDUAL-
    RECORD
        SET NEW-STATUS TO 29
        PERFORM 3000-UPDATE-STATUS
        ADD 1 TO ERROR-COUNT-FOR-REC
        SET   ERROR-CODE   (ERROR-COUNT-FOR-REC)   TO    'UPDATE
        ABORTED...RECORD MODIFIED ELSEWHERE'
        SET VALID-TRANSACTION-FLAG TO NO
    ELSE
        CALL 'CBLTDLI' FOR REPLACE CHANGED-INDIVIDUAL-RECORD.
    IF PART-I-DATA-CHANGED
        FORMAT   INDIVIDUAL-NAME-KEY  FROM  ORIGINAL-INDIVIDUAL-
        TRANSACTION-RECORD
        SET SSA3 TO INDIVIDUAL-NAME-KEY
        CALL  'CBLTDLI'  FOR GET  HOLD  UNIQUE  INDIVIDUAL-NAME-
        RECORD EQUAL TO SSA3
        SET  INDIVIDUAL-STATUS-CODE OF INDIVIDUAL-NAME-RECORD TO
        'PART-I-DATA-CHANGED'
```

```
        CALL 'CBLTDLI' FOR REPLACE INDIVIDUAL-NAME-RECORD
        FORMAT   INDIVIDUAL-NAME-KEY  FROM   CHANGED-INDIVIDUAL-
        TRANSACTION-RECORD
        SET SENSITIVITY-INDICATORY TO ORIGINAL-SENSITIVITY INDI-
        CATOR
        CALL 'CBLTDLI' FOR INSERT INDIVIDUAL-NAME-RECORD
    ENDIF
1230-POST-REISSUE
    SET SSA4 TO INDIVIDUAL-SIN
    CALL  'CBLTDLI' FOR GET HOLD UNIQUE INDIVIDUAL-RECORD  EQUAL
    TO SSA4
    ADD 1 TO NUMBER-OF-ID-CARDS-ISSUED
    CALL 'CBLTDLI' FOR REPLACE INDIVIDUAL-RECORD
    SET NEW-STATUS TO 26
    PERFORM 3000-UPDATE-STATUS
```


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```
1240-POST-GLOBAL-VERIFY
     SET MORE-CONTROL-RECS TO YES
     SET FIRST-TIME-FLAG TO YES
     PERFORM 1241-PASS-CONTROL UNTIL MORE-CONTROL-RECS - NO
1241-PASS-CONTROL
     IF FIRST-TIME-FLAG = YES
         SET FIRST-TIME-FLAG TO NO
         SET FUNC TO GET HOLD UNIQUE
         SET SSA1-ID-CARD-DIST-CNTL-NBR TO  ID-CARD-DISTRIBUTION-
         CNTL-NBR
     ELSE
         SET FUNC TO GET HOLD NEXT
         SET SSA1 TO ID-CARD-DIST-CNTL-KEY
     ENDIF
     CALL 'CBLTDLI' FOR FUNC
         ID-CARD-DISTRIBUTION-CONTROL-RECORD GREATER THAN SSA1
     IF FOUND AND SAME ID-CARD-DISTRIBUTION-CNTL-NBR
         IF ID-CARD-DIST-CNTL-STATUS-CODE = UPDATED
             NEXT SENTENCE
         ELSE
             SET  UPDATED-ID-CARD-DIST-CNTL-KEY TO  ID-CARD-DIST-
             CNTL-KEY OF
             ID-CARD-DISTRIBUTION-CONTROL-RECORD
             PERFORM 2100-POST-VERIFY
             ENDIF
    ENDIF
1250-POST-SINGLE-VERIFY
```

```
SET SSA1 TO ID-CARD-DISTRIBUTION-CNTL-NBR,
            TRANSACTION-REGISTRATION-LOCATION
            AUDIT-SIN
            INDIVIDUAL-SIN
CALL  'CBLTDLI' FOR GET HOLD UNIQUE ID-CARD-DIST-CNTL-RECORD
EQUAL TO SSA1
PERFORM 2100-POST-VERIFY
```

```
1300-WRITE-REGISTER
    FORMAT PRINT-BUFFER FROM BATCH-TRANSACTION-REC
    IF VALID-TRANSACTION FLAG = YES
        SET PRINT-MSG TO 'SUCCESSFUL'
    ELSE
        SET PRINT-MSG TO 'UNSUCCESSFUL'
    ENDIF
    PRINT REGISTER-DETAIL-BLOCK
    IF VALID-TRANSACTION-FLAG = NO
        ADD 1 TO RECORDS-FAILED-COUNT
        PERFORM 1310-PRINT-ERROR-MSG VARYING ERROR-MSG-SUB  FROM
        1 BY 1 UNTIL ERROR-MSG-SUB > ERROR-COUNT-FOR-REC
```


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```
1310-PRINT-ERROR-MSG
     SET ERROR-MSG-NUMBER TO ERROR-CODE (ERROR-MSG-SUB)
     FORMAT PRINT-LINE FROM ERROR-MSG-TEXT (ERROR-MSG-NUMBER)
     PRINT PRINT-LINE

2000-DUPLICATION-CHECK
     SET SSA3 TO FULL-NAME
     IF PARM-DUP-CHECK-ON-BIRTH-LOCATION = YES
         ADD TO SSA3
             EQUAL TO BIRTH-LOCATION
     ENDIF
     IF PARM-DUP-CHECK-ON-SEX-CODE = YES
         ADD TO SSA3
             EQUAL TO SEX-CODE
     ENDIF
     IF PARM-DUP-CHECK-ON-BIRTH-DATE = YES
         ADD TO SSA3
             EQUAL TO DATE-OF-BIRTH
     ENDIF
     CALL  'CBLTDLI' FOR GET UNIQUE INDIVIDUAL-NAMES-RECORD EQUAL
     TO SSA3
     IF FOUND
         ADD 1 TO ERROR-COUNT-FOR-REC
         SET ERROR-CODE (ERROR-COUNT-FOR-REC) TO  'DUPLICATE PART
         I DATA EXISTS IN THE NATIONAL INDIVIDUAL NAMES DATABASE'
         SET VALID-TRANSACTION-FLAG TO NO
     ENDIF
```


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2100-POST-VERIFY

SET ID-CARD-DIST-CNTL-STATUS-CODE TO 'VERIFIED'

CALL 'CBLTDLI' FOR REPLACE ID-CARD-DISTRIBUTION-CONTROL-RECORD

SET SSA2 TO REGISTRATION-TRANSACTION-NUMBER OF ID-CARD-DISTRIBUTION-CNTL-RECORD

CALL 'CBLTDLI' FOR GET HOLD UNIQUE INDIVIDUAL-REGISTRATION-RECORD EQUAL TO SSA2

SET STATUS-CODE TO DESIRED-STATUS-CODE

CALL 'CBLTDLI' FOR REPLACE INDIVIDUAL-REGISTRATION-RECORD

3000-UPDATE-STATUS

SET SSA1 TO INDIVIDUAL-REGISTRATION-RECORD-KEY

CALL 'CBLTDLI' FOR GET HOLD UNIQUE

REGISTRATION-TRANSACTION-RECORD EQUAL TO SSA1

SET STATUS-CODE TO NEW-STATUS

SET STATUS-CHANGE-DATE TO INTERNAL-CURRENT-DATE

SET AUDIT-DATE TO INTERNAL-CURRENT-DATE

SET AUDIT-SIN TO COM-USER-SIN

CALL 'CBLTDLI' FOR REPLACE REGISTRATION-TRANSACTION-RECORD

PROGRAM DESCRIPTION

System: Registration

Date f.c.: 31 July 1984

Subsystem: Individuals Registration

Date l.u.: 31 July 1984

Function: Batch Processing

Phase: 2

Program: ERKP430 - ID Card Format

CICS Trans ID: K430

Author: SWB

Description:

The ID Card Format program reads the Registration Transaction Database for those transactions that have been approved by an auditor (or by batch audit), and writes corresponding records in appropriate format for ID card production.

INPUTS:

Files: ID Card Control Parameters, Tables, Registration Transaction, Control Databases, Sort Work File

Screens: None

Reports: None

Documents: None

OUTPUTS:

Files: Registration Transaction, Control, ID Card Distribution Control Databases; Formatted ID Card File, Sort Work File

Screens: None

Reports: ID Card Distribution Report (ERKR430)

Documents: None

INTERFACE:

Invoked by: Operating System

Transfers to: Operating System

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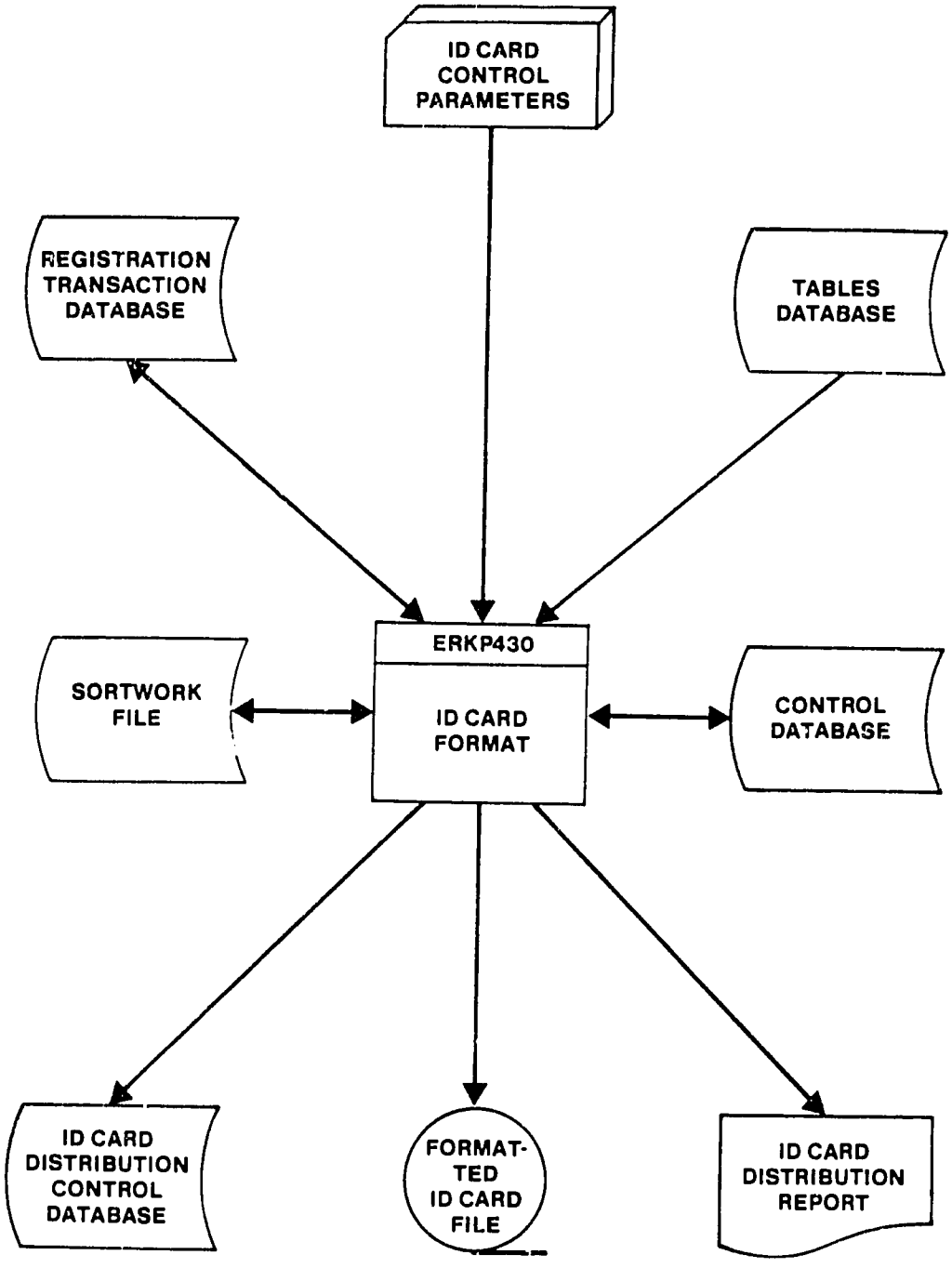
STANDARD MODULES:

Name: None

Function: None

PROGRAM I/O DIAGRAM
ID CARD FORMAT



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```
PROCESSING LOGIC;
0000-MAIN-PROCESS
     READ ID-CARD-CONTROL-PARAMETERS FILE
          FOR REGISTRATION-LOCATION-PARM,
               LAST-ACTIVITY-DATE-PARM
     CALL 'DATECEI' USING LAST-ACTIVITY-DATE-PARM
          COMPARE-DATE-PARM
          TO CONVERT DATE PARM TO INTERNAL-FORMAT
     PERFORM 0100-GET-NEXT-ID-CARD-CNTL-NBR
     SORT SORT-FILE
          INPUT PROCEDURE 1000-SELECT-FROM-TRANS
          OUTPUT PROCEDURE 2000-PROCESS-ID-CARD
     PERFORM 0200-REPLACE-NEXT-ID-CARD-CNTL-NBR
     PERFORM 8000-RUN-STATISTICS
     STOP RUN
0100-GET-NEXT-ID-CARD-CNTL-NBR
     SET SSA1 TO "NEXT ID CARD CNTL NBR'
     CALL 'CBLTDLI' FOR GET HOLD UNIQUE
          CONTROL RECORD
          EQUAL TO SSA1
0200-REPLACE-ID-CARD-CNTL-NBR
     CALL 'CBLTDLI'FOR REPLACE CONTROL RECORD
1000-SELECT-FROM-TRANS SECTION
     FORMAT SSA2 FOR
          STATUS-CODE EQUAL TO '26' AND
          STATUS-CHANGE-DATE LESS THAN
          OR EQUAL TO COMPARE-DATE-PARM
     IF REGISTRATION-LOCATION-PARM
```


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```
            IS NOT EQUAL TO 'ALL
            APPEND TO SSA2
                 TRANSACTION-REGISTRATION-LOC
                 EQUAL TO REGISTRATION-LOCATION-PARM
       ENDIF
       SET MORE-TRANS-EXIST TO YES
       PERFORM 1100-GET-NEXT-TRAN
            UNTIL MORE-TRANS-EXIST = NO
 1100-GET-NEXT-TRAN
       CALL 'CBLTDLI` FOR GET NEXT
            INDIVIDUAL-REGISTRATION-RECORD
            WHICH SATISFIES SSA2
       IF NO MORE RECORDS ON DATABASE
            SET MORE-TRANS-EXIST TO NO
       ELSE
            FORMAT SORT-RECORD FROM
                 INDIVIDUAL-REGISTRATION-RECORD
                 RELEASE SORT-RECORD
 2000-PROCESS-ID-CARD SECTION
       SET LAST-LOCATION-AND-SIN TO LOW-VALUES
       SET MORE-SORT-RECS-EXIST TO YES
       PERFORM 2100-RETURN-NEXT-SORT-REC
            UNTIL MORE-SORT-RECS-EXIST = NO
 2100-RETURN-NEXT-SORT-REC
       RETURN SORT-RECORD
            AT END
                 SET MORE-SORT-RECS-EXIST TO NO
       IF MORE-SORT-RECS-EXIST = YES
```

```
            PERFORM 2110-UPDATE-TRAN-DB
            PERFORM 2110-UPDATE-ID-CARD-CNTL-DB
            PERFORM 2130-WRITE-ID-CARD-FILE
            PEFORM 2140-PRINT-REPORT
        ENDIF
2110-UPDATE-TRAN-DB
        SET SSA3 TO REGISTRATION-TRANSACTION-NBR
        CALL 'CBLTDLI' FOR GET HOLD UNIQUE
             INDIVIDUAL-REGISTRATION-RECORD
             EQUAL TO SSA3
        SET STATUS-CODE TO '41'
        SET STATUS-CHANGE-DATE TO CURRENT-INTERNAL-DATE
        CALL 'CBLTDLI' FOR REPLACE
             INDIVIDUAL-REGISTRATION-RECORD
2110-UPDATE-ID-CARD-CNTL-DB
        FORMAT ID-CARD-DIST-CNTL-RECORD
             FROM INDIVIDUAL-REGISTRATION-RECORD
        SET ID-CARD-DIST-CNTL-STATUS TO 'NOT VERIFIED'
        IF TRANSACTION-REGISTRATION-LOC AND
             AUDIT-SIN NOT EQUAL TO
             LAST-LOCATION-AND-SIN
             SET LAST-LOCATION-AND-SIN TO
                  TRANSACTION-REGISTRATION-LOC AND
                  AUDIT-SIN
             SET CURRENT-ID-CARD-DIST-CNTL-NBR TO
                  NEXT-ID-CARD-DIST-CNTL-NBR FROM
                  CONTROL-RECORD
```

```
            ADD 1 TO NEXT-ID-CARD-DIST-CNTL-NBR
        ENDIF
        SET ID-CARD-DISTRIBUTION-CNTL-NBR TO
            CURRENT-ID-CARD-DIST-CNTL-NBR
        CALL 'CBLTDLI' FOR INSERT
            ID-CARD-DIST-CNTL-RECORD
2130-WRITE-ID-CARD-FILE
        FORMAT FORMATTED-ID-CARD-FILE
            FROM INDIVIDUAL-REGISTRATION-RECORD
            AND TABLES DATABASE
            (SPLIT FULL NAME INTO TWO LINES,
            BREAK ON SPACE NAME DIVIDERS)
        WRITE FORMATTED-ID-CARD-RECORD
2140-PRINT-REPORT
        FORMAT PRINT-LINE FROM
            INDIVIDUAL-REGISTRATION-RECORD
            AND TABLES DATABASE
        PAGE BREAK ON CHANGE IN
            TRANSACTION-REGISTRATION-LOC AND AUDIT-SIN
        WRITE PRINT-LINE
8000-RUN-STATISTICS SECTION
        DISPLAY RUN STATISTICS;
            COUNT OF - FOUND TRANSACTION RECORDS
                       DIFFERENT LOCATION/AUDIT SIN
```

SORT-FILE FOR ID-CARD-FORMAT PROGRAM

```
01 SORT-RECORD.
     05 SORT-KEY.
          10 TRANSACTION-REGISTRATION-LOC PIC X (06).
          10 AUDIT-SIN                    PIC 9(09) COMP.
          10 ENTRY-DATE                   PIC X (02)
          10 ENTRY-SIN                    PIC 9(09) COMP.
          10 OFFLINE TRANSACTION-REF-NBR  PIC 9(05) COMP.
          10 INDIVIDUAL-SIN               PIC 9(09) COMP.
     05 REGISTRATION-TRANSACTION-NBR      PIC 9(09) COMP.
```

FORMATTED-ID-CARD-FILE

```
01  ID-CARD-RECORD.
     05 SORTED-KEY.
          10 TRANSACTION-REGISTRATION-LOC PIC X(06).
          10 AUDIT-SIN                    PIC 9(09).
          10 ENTRY-DATE                   PIC X(10).
          10 ENTRY-SIN                    PIC 9(09).
          10 OFFLINE-TRANSACTION-REF-NBR  PIC 9(05).
          10 INDIVIDUAL-SIN               PIC 9(09).
     05 REGISTRATION-TRANSACTION-NBR      PIC 9 (09).
     05 ADDITIONAL-ID-CARD-DATA.
          10 INDIVIDUAL-PART-I-DATA.
               15 FULL-NAME-LINE 1        PIC X (30).
               15 FULL-NAME-LINE 2        PIC X(30).
               15 BIRTH-LOCATION-CODE     PIC X(02).
               15 SEX-INDICATOR           PIC X(01).
               15 DATE-OF-BIRTH           PIC X(10).
     05 ADDITIONAL-DATA
```


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```
10 FAMILY-NAME                    PIC X(12).
10 CURRENT-ADDRESS-DATA.
     15 ADDRESS-BUILDING-NUMBER PIC X(04).
     15 ADDRESS-STREET-NAME     PIC X(30).
     15 ADDRESS-POLICE-UNIT-CODE PIC 9(02).
     15 ADDRESS-POLICE-UNIT      PIC x(25).
     15 ADDRESS-POLICE-STATION-CODE  PIC 9(02).
     15 ADDRESS-POLICE-STATION   PIC X(20).
     15 ADDRESS-GOVERNDRATE-CODE PIC 9(02).
     15 ADDRESS-GOVERNORATE      PIC X(15).
```


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PROGRAM DESCRIPTION

System: Registration — Date f.c.: 7/31/84

Subsystem: Individuals Registration — Date l.u.: 8/28/84

Function: Batch Processing — Phase: 2

Program: ERKP440 - Archive Registration Transactions

CICS Trans ID: K440

Author: SWB & JEL

Description:

The Archive Registration Transaction program reads the Registration Transaction Database for records that have been completed and are ready for removal from the active file. Those records are written to the Registration Archive File and the corresponding record is deleted from the Registration Transaction Database.

INPUTS:

Files: Archive Control Parameters; Registration Transaction, ID Card Distribution, Control Databases

Screens: None

Reports: None

Documents: None

OUTPUTS:

Files: Registration Archive File; Registration Transaction, ID Card Distribution Control Databases

Screens: None

Reports: Registration Archive Report (ERKP440)

Documents: None

INTERFACE:

Invoked by: Operating System

Transfers to: Operating System

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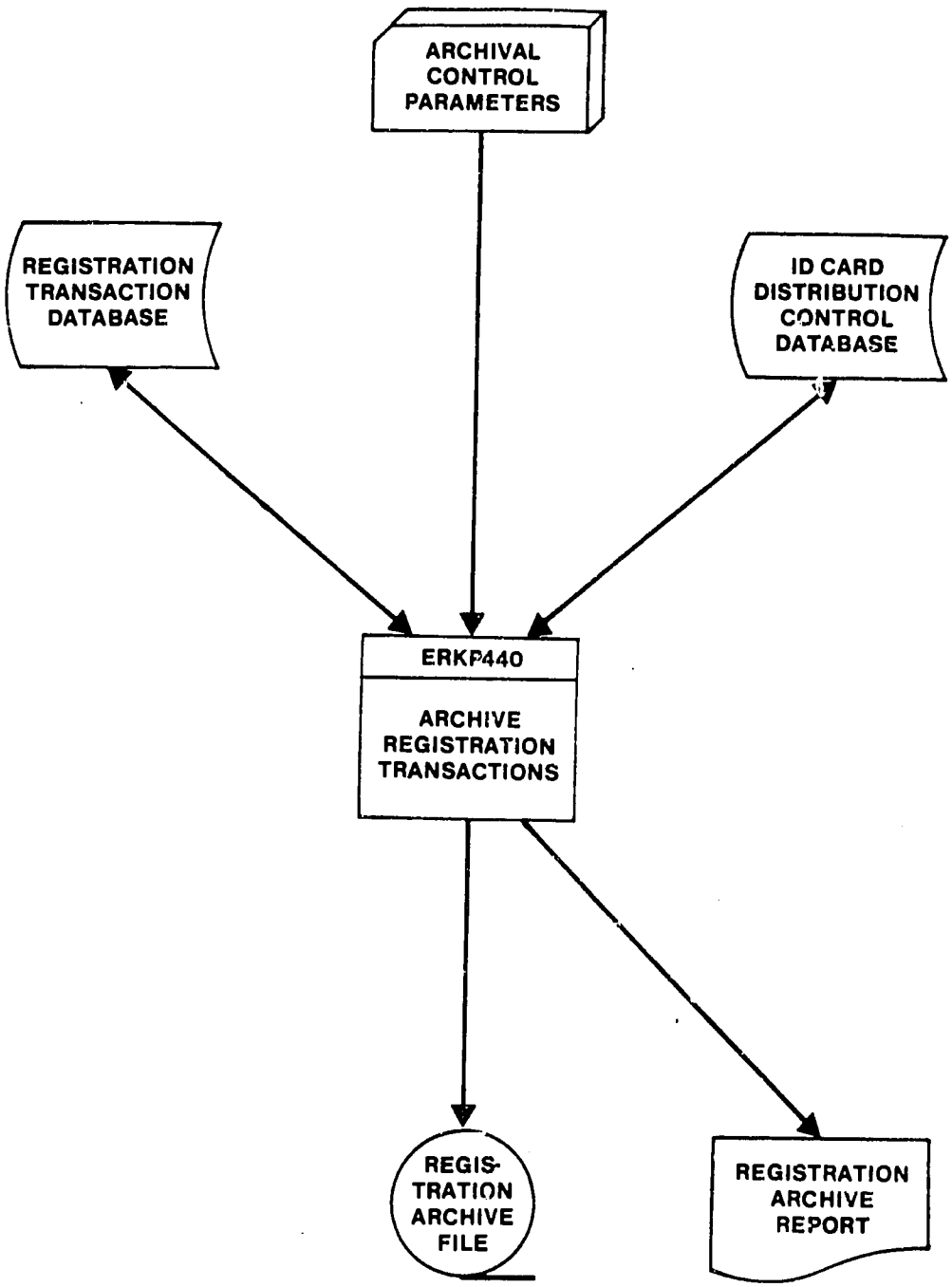
STANDARD MODULES:

Name: None

Function: None

PROGRAM I/O DIAGRAM
ARCHIVE REGISTRATION TRANSACTIONS



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PROCESSING LOGIC:

```
     READ ARCHIVE-CONTROL-PARAMETER FILE
          FOR LAST-ACTIVITY-DATE-PARM
     CALL 'DATECEI' USING LAST-ACTIVITY-DATE-PARM
                          COMPARE-DATE-PARM
               TO CONVER DATE PARM TO INTERNAL-FORMAT
     FORMAT SSA1 FOR
          STATUS-CODE EQUAL TO
               `19` OR '28' OR '29' OR '48' OR '49' OR 58'
               OR '59'
          AND STATUS-CHANGE-DATE LESS THAN
               OR EQUAL TO COMPARE-DATE-PARM
     SET MORE-TRANS-EXIST TO YES
     PERFORM 1000-PASS-TRANSACTION-DB
          UNTIL MORE-TRANS-EXIST = NO
     PERFORM 8000-RUN-STATISTICS
     STOP RUN
1000-PASS-TRANSACTION-PB
     CALL 'CBLTDLI' FOR GET HOLD NEXT
          INDIVIDUAL-REGISTRATION-RECORD
          WHICH SATISFIES SSA1.
     IF NO MORE RECORDS ON DATABASE
          SET MORE-TRANS-EXIST TO NO
     ELSE
          PERFORM 2000-PRINT-REPORT
          PERFORM 3000-DELETE-TRAN
          PERFORM 1100-DELETE-ID-CARD-CNTL
          PERFORM 1200-PRINT-AND-DELETE-RELATED
```


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```
      ENDIF
1100-DELETE-ID-CARD-CNTL
      IF ID-CARD-DISTRIBUTION-CNTL-NBR
           NOT EQUAL TO ZERO
           FORMAT SSA2 FOR ID-CARD-DIST-CNTL-KEY
                FROM INDIVIDUAL-REGISTRATION-RECORD
           CALL `CBLTDLI' FOR GET HOLD UNIQUE
                ID-CARD-DIST-CNTL-RECORD
                EQUAL TO SSA2
           CALL 'CBLTDLI' FOR DELETE
                ID-CARD-DIST-CNTL-RECORD

1200-PRINT-AND-DELETE-RELATED
      IF RECORD-COUNT NOT EQUAL 9999
           SET MORE-WITH-SAME-TRAN-EXIST TO YES
           SET SSA3 TO REGISTRATION-TRANSACTION-NBR
           PERFORM 1210-PRINT-AND-DELETE
                UNTIL MORE-WITH-SAME-TRAN-EXIST = NO
      ENDIF
1210-PRINT-AND-DELETE
      CALL 'CBLTDLI' FOR GET HOLD NEXT
           INDIVIDUAL-REGISTRATION-RECORD
           EQUAL TO SSA3
      IF NONE FOUND
           SET MORE-WITH-SAME-TRAN-EXIST TO NO
      ELSE
           PERFORM 2000-PRINT-REPORT
           PERFORM 3000-DELETE-TRAN
```

```
    ENDIF
2000-PRINT-REPORT
    FORMAT PRINT-LINE FROM
        INDIVIDUAL-REGISTRATION-RECORD
    WRITE PRINT-LINE

3000-DELETE-TRAN
    CALL 'CBLTDLI' FOR DELETE
        INDIVIDUAL-REGISTRATION-RECORD
8000-RUN-STATISTICS
    DISPLAY RUN STATISTICS:
        COUNT OF ARCHIVED TRANSACTIONS
        COUNT OF ID CARD DISTRIBUTION
            CONTROL RECORDS DELETED
```

PROGRAM DESCRIPTION

System: Registration — Date f.c.: 31 July 1984

Subsystem: Individuals Registration — Date l.u.: 31 July 1984

Function: Report Processing — Phase: 2

Program: ERK510 - Daily Registration Transaction Report

CICS Trans ID: K510

Author: SWB

Description:

The Daily Registration Transaction Report program produces a report of activity by day for the Registration Transaction Database.

INPUTS:

Files: Report Control Parameters; Tables, Registration Transaction Databases

Sceens: None

Reports: None

Documents: None

OUTPUTS:

Files: None

Screens: None

Reports: Daily Registraton Transaction Report (ERKR510)

Documents: None

INTERFACE:

Invoked by: Operating System

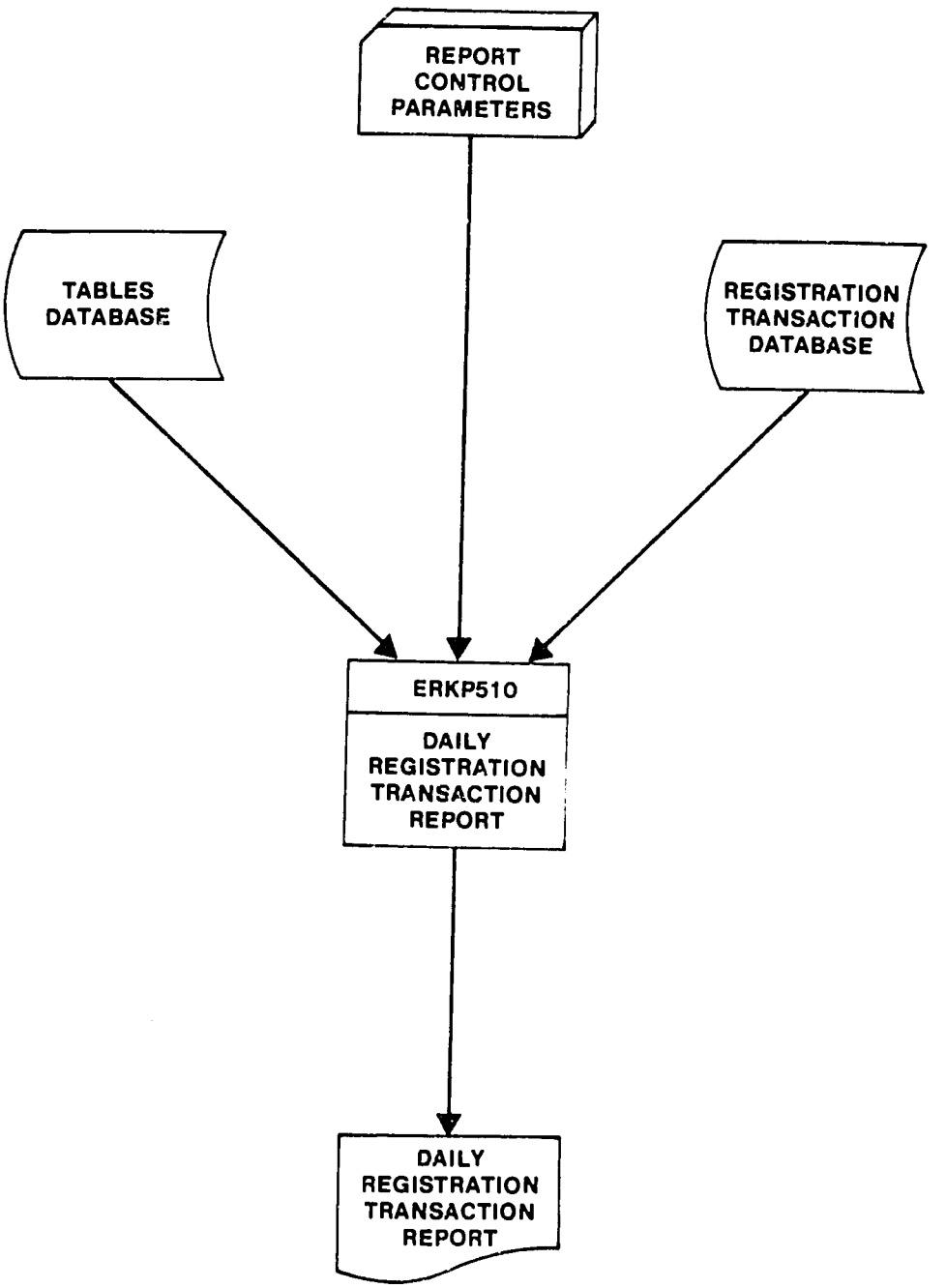
Transfers to: Operating System

STANDARD MODULES:

Name: None

Function: None

PROGRAM I/O DIAGRAM
DAILY REGISTRATION TRANSACTION REPORT



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PROGRAM DESCRIPTION

System: Registration — Date f.c.: 31 July 1984

Subsystem: Individuals Registration — Date l.u.: 31 July 1984

Function: Report Processing — Phase: 2

Program: ERK520 - Daily Inspection Report

CICS Trans ID: K520

Author: SWB

Description:

The Daily Inspection Report program produces a report of the transactions on the Registration Transaction Database that are in inspection status. The inspection statuses are:

- Flagged for inspection by an auditor by date
- Assigned to an inspector by assigned date
- Inspection complete by inspection complete date.

INPUTS:

Files: Report Control Parameters; Tables, Registration Transaction Databases

Screens: None

Reports: None

Documents: None

OUTPUTS:

Files: None

Screens: None

Reports: Daily Inspection Report (ERKR520)

Documents: None

INTERFACE:

Invoked by: Operating System

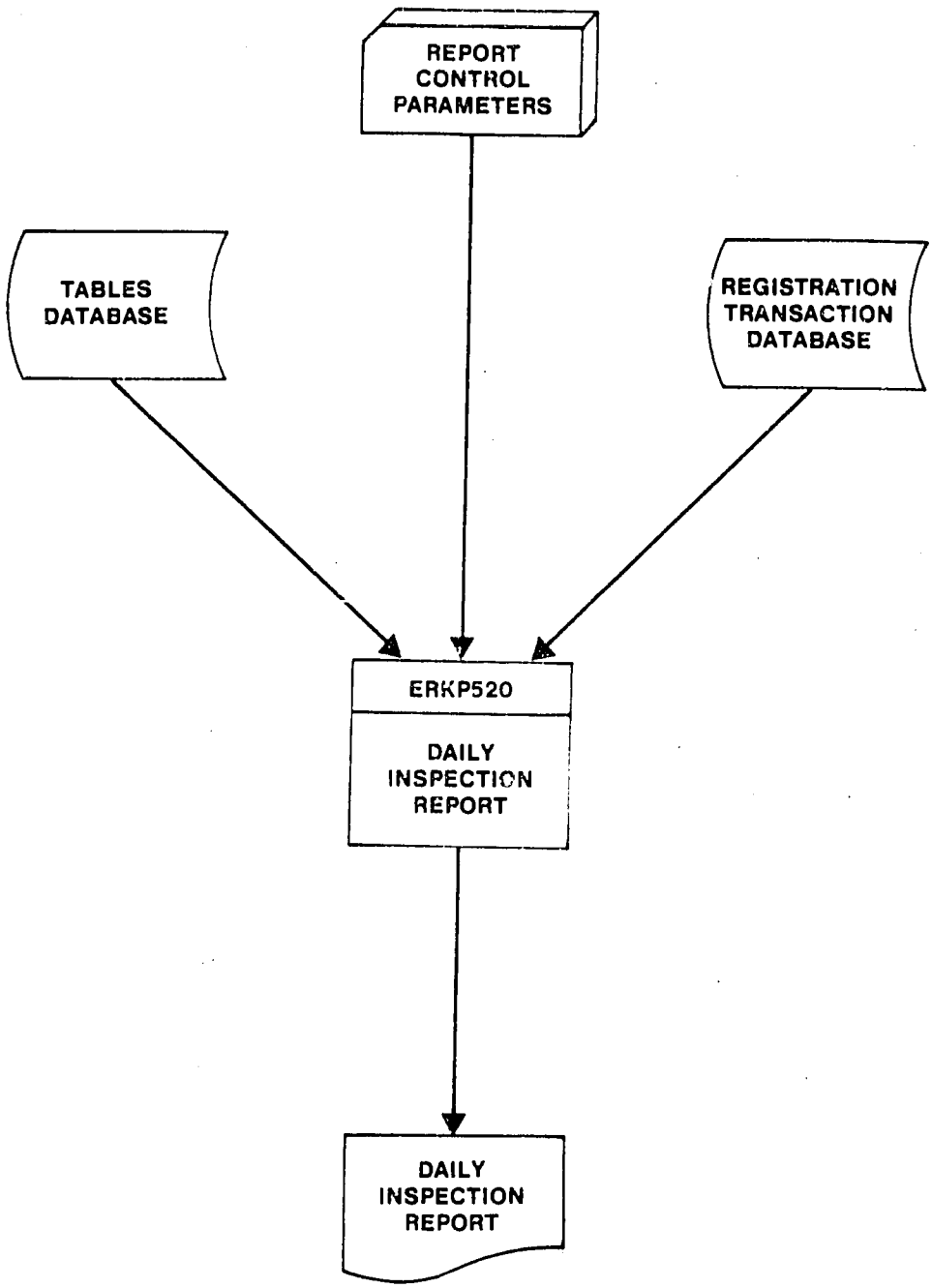
Transfers to: Operating System

STANDARD MODULES:

Name: None

Function: None

PROGRAM I/O DIAGRAM
DAILY INSPECTION REPORT



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PROGRAM DESCRIPTION

System: Registration — Date f.c.: 31 July 1984

Subsystem: Individuals Registration — Date l.u.: 31 July 1984

Function: Report Processing — Phase: 2

Program: ERKP530 - Aged Transaction Report

CICS Trans ID: K530

Author: SWB

Description:

The Aged Transaction Report program produces a report of transactions on the Registration Transaction Database by aging categories (e.g., 24 hours old, 48 hours hold, one week old).

INPUTS:

Files: Report Control Parameters, Tables Registration Transaction Databases

Screens: None

Reports: None

Documents: None

OUTPUTS:

Files: None

Screens: None

Reports: Aged Transaction Report (ERKR530)

Documents: None

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INTERFACE:

Invoked by: Operating System

Transfers to: Operating System

STANDARD MODULES:

Name: NOne

Function: None

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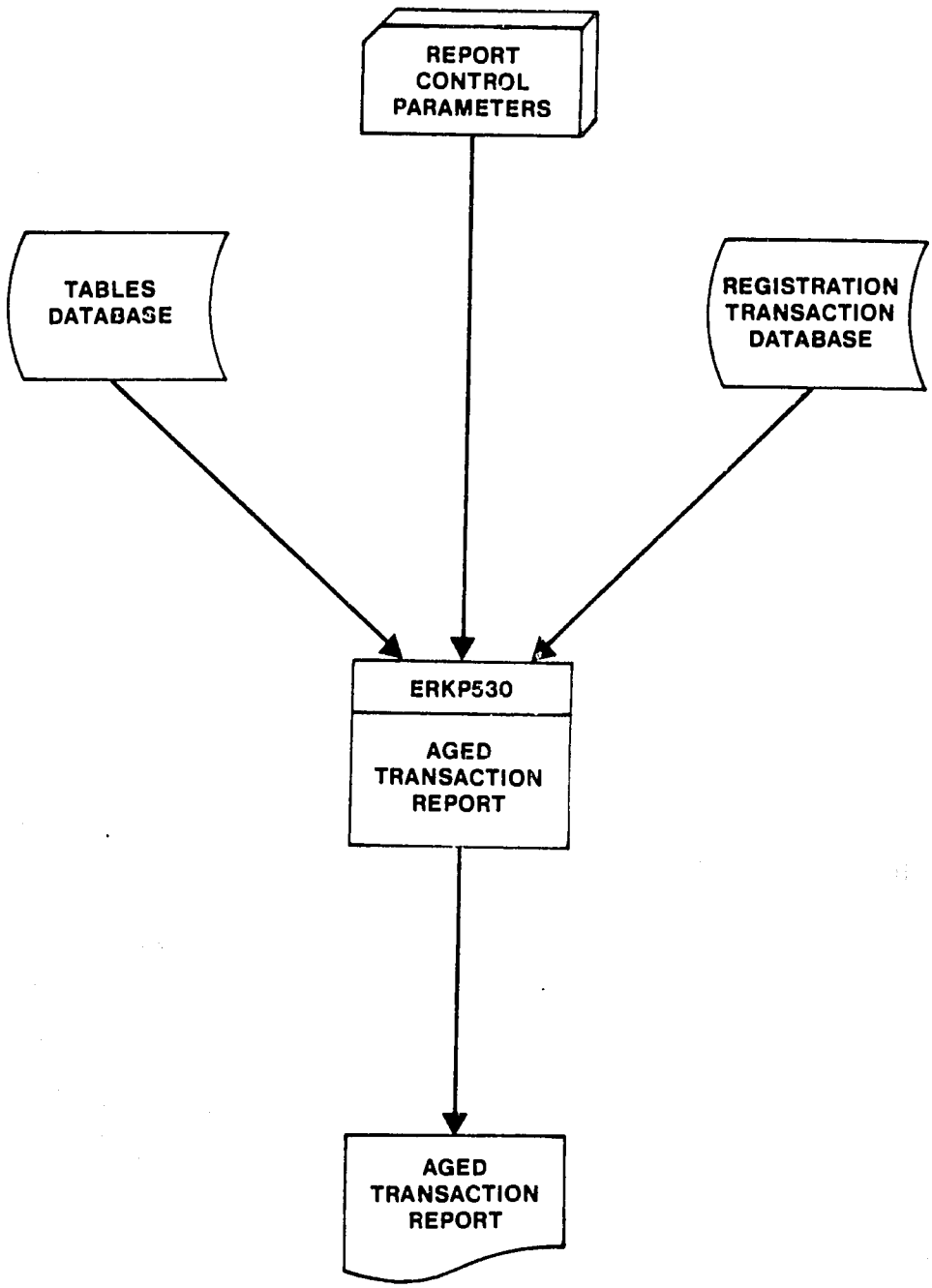
PROGRAM I/O DIAGRAM
AGED TRANSACTION REPORT



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PROGRAM DESCRIPTION

System: Registration — Date f.c.: 31 July 1984

Subsystem: Individuals Registration — Date l.u.: 21 Aug 1984

Function: Data Entry Procedures — Phase: 2

Program: ERKP910 - Registration Transaction Update

CICS Trans ID: K910

Author: SWB & JEL

Description:

The Registration Transaction Update Subprogram is referenced by multiple programs to provide for the maintenance of Part I and Part II data within the Individual Registration Transaction Record. Also the STATUS-CODE and certain additional control fields can be modified by this subprogram. From several locations within Individual Registration processing it is necessary to update the Registration Transaction Database as follows:

ERKP020 - Modify Individual Record
ERKP030 - Change Address
ERKP050 - Maintain Registration Transaction (Data Entry)
ERKP150 - Maintain Registration Transaction (Audit)

The Registration Transaction Update Subprogram provides for the processing of the required maintenance procedures by a single program rather than repeating the code in multiple programs.

This program is invoked by one of the above listed programs. The user has already verified that the correct record from the Registration Transaction Database has been retrieved for processing, and the user has been presented with the screen for modification. The current record and control data fields are passed to this program in the COMMAREA. The user changes data fields on the screen or presses a program function key (PFK) to indicate a change in STATUS-CODE. The input screen is edited and if it passes the edit the Registration Transaction Database is updated. This program then switches back to the program that originally invoked it.

Processing Logic

Validate and process Individual Registration Transaction Database records via invoking programs; return control to invoking program; provide updates in accordance with record transaction type.

```
IF COM-ORIGIN-PROG = 'ERKP020'
   PERFORM 1020-MODIFY-RECORD
ENDIF
IF COM-ORIGIN-PROG = 'ERKP030'
   PERFORM 1030-CHANGE-ADDRESS
ENDIF
IF COM-ORIGIN-PROG = 'ERKP910'
     PERFORM 2000-PROCESS-TRANSACTION
         IF COM-ORIGIN-PROG = 'ERKP050'
              IF COM-PANEL NOT EQUAL 'ERKS910'
                 MOVE 'ERKS910' TO COM-PANEL
                 MOVE 'ERKS910S' TO COM-PANEL-SET
                 MOVE 'K910' TO COM-TRAN-ID
                 MOVE 'ERKP050' TO COM-HOLD-PROG
                 MOVE 'K050' TO COM-HOLD-TRAN-ID
                 PERFORM 7000-SEND-INITIAL-MAPS
              ELSE
                 PERFORM 1000-EDIT-TRANSACTION
              ENDIF
         ENDIF
     ENDIF
```

```
1000-EDIT-TRANSACTION

    EXEC CICS RECEIVE
    IF INPUT REGISTRATION TRANSACTION NUMBER LENGTH > ZERO
       IF REGISTRATION TRANSACTION NUMBER NUMERIC
            MOVE REGISTRATION TRANSACTION NUMBER TO
            INDIVIDUAL-REGISTRATION-RECORD-KEY
            GET INDIVIDUALS REGISTRATION TRANSACTION DATABASE RECORD
            PERFORM 1001-DATABASE-VALIDATION
         ELSE
            MOVE CURSOR TO REGISTRATION TRANSACTION NUMBER LENGTH
            SET REGISTRATION TRANSACTION NUMBER ATTRIBUTE
            PERFORM 3000-FSET
            ENDIF
    ELSE
       MOVE CURSOR TO REGISTRATION TRANSACTION NUMBER LENGTH
       SET REGISTRATION TRANSACTION NUMBER ATTRIBUTE
       MOVE OPERATOR INSTRUCTION TO MSG-LINE
       PERFORM 3000-FSET
    ENDIF
    IF COM-OPER-SIN NOT EQUAL
       COM-RT-ENTRY-OPER-SIN OR
       COM-RT-SENSITIVITY-INDICATION = '1'
       MOVE WARNING MESSAGE TO OUTPUT MESSAGE LINE
       MOVE CURSOR TO REGISTRATION TRANSACTION NUMBER LENGTH
       SET ATTRIBUTE
       PERFORM 3000-FSET
    ENDIF
```


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```
IF COM-RT-TRANSACTION-TYPE = 'O' OR 'M' OR 'A' or 'R'
   IF COM-RT-STATUS = '11' OR '15' OR '19'
      PERFORM 2000-PROCESS-TRANSACTION
   ELSE
      MOVE CURSOR TO REGISTRATION TRANSACTION NUMBER LENGTH
      SET ATTRIBUTE
      MOVE WARNING MESSAGE TO OUTPUT MESSAGE LINE
      PERFORM 3000-FSET
   ENDIF
ENDIF

1020-MODIFY-RECORD

EXEC CICS RECEIVE
MOVE SCREEN (ERKS020) TO
     SCREEN (ERKS910)
MOVE OPERATOR PROMPT MESSAGE TO OUTPUT MESSAGE LINE
MOVE 'ERKP910' TO COM-ORIGIN-PROG
                  COM-DESTIN-PROG
MOVE 'K910' TO COM-TRAN-ID
MOVE 'ERKS910S' TO COM-PANEL-SET
MOVE 'ERKS910' TO COM-PANEL
MOVE 'ERKP020' TO COM-HOLD-PROG
MOVE 'K020' TO COM-HOLD-TRAN-ID
PERFORM 7000-SEND-INITIAL-MAPS
```


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```
1030-CHANGE-ADDRESS

     EXEC CICS RECEIVE
     MOVE SCREEN (ERKS030) TO
          SCREEN (ERKS913)
     MOVE OPERATOR PROMPT MESSAGE TO
          OUTPUT MESSAGE LINE
     MOVE 'ERKP910' TO COM-ORIGIN-PROG
                       COM-DESTIN-PROG
     MOVE 'K910' TO COM-TRAN-ID
     MOVE 'ERKS910S' TO COM-PANEL-SET
     MOVE 'ERKS913' TO COM-PANEL-SET
     MOVE 'ERKP030' TO COM-HOLD-PROG
     MOVE 'K030' TO COM-HOLD-TRAN-ID
     PERFORM 7000-SEND-INITIAL-MAPS

1050-DETERMINE-PROCESS

     EXEC CICS RECEIVE
     PERFORM 2000-EDIT-INPUT
     IF COM-EDIT-SW = 1
        MOVE UPDATE PROMPT MESSAGE TO
             OUTPUT MESSAGE
        PERFORM 4800-RESEND-MAP
        MOVE '2' TO COM-EDIT-SW
     ENDIF
```

```
IF COM-EDIT-SW = 2
   REPLACE REGISTRATION TRANSACTION DATABASE RECORD
   MOVE DB STATUS MESSAGE TO OUTPUT MESSAGE LINE
   MOVE COM-HOLD-PROG TO COM-DESTIN-PROG
   MOVE COM-HOLD-TRANID TO COM-TRAN-ID
   PERFORM 4800-RESEND-MAP

2000-PROCESS-TRANSACTION

IF COM-HOLD-PROG = 'ERKP020' OR 'ERKP030'
   PERFORM 1050-DETERMINE-PROCESS
ELSE
   PERFORM 2000-EDIT-INPUT
   MOVE COM-HOLD-PROG TO COM-DESTIN-PROG
   MOVE COM-HOLD-TRANID TO COM-TRAN-ID
   PERFORM SEND-MAP

2000-EDIT-INPUT

IF NAME INPUT LENGTH > ZERO
   IF NAME INPUT FIELD NOT NUMERIC
      MOVE NAME INPUT FIELD TO COM-RT-FULL-NAME
ELSE
      MOVE CURSOR TO NAME LENGTH FIELD
      SET NAME ATTRIBUTE FIELD TO UNPROT-BRIGHT
      PERFORM 3000-FSET
ENDIF
```

```
IF BIRTH LOCATION LENGTH > ZERO
PERFORM 4000-BIRTH-CHECK
IF BIRTH LOCATION VALID
   MOVE BIRTH LOCATION TO COM-RT-BIRTH-LOCATION
   MOVE +1 TO COM-CHANGE-FLAG
ELSE
   MOVE CURSOR TO BIRTH LOCATION LENGTH
   SET BIRTH LOCATION ATTRIBUTE BYTE
   PERFORM 3000-FSET
ENDIF
IF SEX LENGTH > ZERO
   IF SEX FIELD = "1" OR "2"
      MOVE SEX FIELD TO COM-RT-SEX-CODE
   ELSE
      MOVE CURSOR TO SEX LENGTH
      SET SEX ATTRIBUTE
      PERFORM 3000-FSET
   ENDIF
ENDIF
IF DATE OF BIRTH LENGTH > ZERO
   IF DATE OF BIRTH NUMERIC
   PERFORM 4000-DATE-ROUTINE
   MOVE CONV-DATE TO COM-RT-DATE-OF-BIRTH
```

```
ELSE
   MOVE CURSOR TO DATE OF BIRTH LENGTH
   SET DATE OF BIRTH ATTRIBUTE
   PERFORM 3000-FSET
   ENDIF
ENDIF
IF FAMILY NAME LENGTH > ZERO
   IF FAMILY NAME NOT NUMERIC
      MOVE FAMILY NAME TO COM-RT-FAMILY-NAME
   ELSE
      MOVE CURSOR TO FAMILY NAME LENGTH
      SET FAMILY NAME ATTRIBUTE
      PERFORM 3000-FSET
   ENDIF
ENDIF
IF BIRTH POLICE STATION LENGTH > ZERO
   IF BIRTH POLICE STATION NUMERIC
      PERFORM 4000-POLICE-STATION-CHECK
      MOVE BIRTH POLICE STATION TO COM-RT-BIRTH-POLICE-STATION
   ELSE
      MOVE CURSOR TO BIRTH POLICE STATION LENGTH
      SET BIRTH POLICE STATION ATTRIBUTE
      PERFORM 3000-FSET
   ENDIF
ENDIF
```


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```
IF REG-REGION LENGTH > ZERO
   IF REG REGION NUMERIC
      PERFORM 4000-REGISTRAT-REG-CHECK
      MOVE REGION DESCRIPTION TO REG-REGION OUTPUT FIELD
      MOVE REG REGION TO COM-RT-REGISTRATION-REGION-CODE
   ELSE
      MOVE CURSOR TO REG REGION LENGTH
      SET REG REGION ATTRIBUTE
      PERFORM 3000-FSET
   ENDIF
ENDIF
IF REG OFFICE LENGTH > ZERO
   IF REG OFFICE NUMERIC
      PERFORM 4000-REGISTRATION-OFFICE-CHECK
      MOVE OFFICE DESCRIPTION TO REG-OFFICE OUTPUT FIELD
      MOVE REG OFFICE CODE TO COM-RT-REGISTRATION-LOCAL-
      OFFICE-CODE
   ELSE
      MOVE CURSOR TO REG OFFICE LENGTH
      SET REG OFFICE ATTRIBUTE
      PERFORM 3000-FSET
   ENDIF
ENDIF
```

```
IF REG UNIT LENGTH > ZERO
   IF REG UNIT NUMERIC
      PERFORM 4000-REGISTRATION-UNIT-CHECK
      MOVE REG UNIT TO COM-RT-REGISTRATION-LOCAL-UNIT-CODE
      MOVE UNIT DESCRIPTION TO RE-UNIT OUTPUT
   ELSE
      MOVE CURSOR TO REG UNIT LENGTH
      SET REG UNIT ATTRIBUTE
      PERFORM 3000-FSET
   ENDIF
ENDIF
IF MOTHERS NAME LENGTH > ZERO
   IF MOTHERS NAME NOT NUMERIC
      MOVE MOTHERS NAME TO COM-RT-MOTHERS-NAME
   ELSE
      MOVE CURSOR TO MOTHERS NAME LENGTH
      SET MOTHERS NAME ATTRIBUTE
      PERFORM 3000-FSET
   ENDIF
ENDIF
IF POLICE TYPE LENGTH > ZERO
   IF POLICE TYPE EQUAL 1
      MOVE POLICE TYPE TO COM-RT-POLICE-ID-TYPE
      MOVE 'PERSONAL' TO POLICE TYPE OUTPUT FIELD
```

```
ELSE
   IF POLICE TYPE EQUAL 2
      MOVE POLICE TYPE TO COM-RT-POLICE-ID-TYPE
      MOVE FAMILY TO POLICE TYPE OUTPUT
   ENDIF
ENDIF
   ELSE
      MOVE CURSOR TO POLICE TYPE LENGTH
      SET POLICE TYPE ATTRIBUTE
      PERFORM 3000-FSET
ENDIF
IF POLICE GOVERNORATE LENGTH > ZERO
   IF POLICE GOVERNORATE NUMERIC
      PERFORM 4000-POL-GOVERN-CHECK
      MOVE POLICE GOVERNORATE TO COM-RT-POLICE-ID-
      GOVERNORATE-CODE
      MOVE GOVERNORATE DESCRIPTION TO POLICE GOVERNORATE
      OUTPUT FIELD
   ELSE
      MOVE CURSOR TO POLICE GOVERNORATE LENGTH
      SET POLICE GOVERNORATE ATTRIBUTE
      PERFORM 3000-FSET
   ENDIF
ENDIF
```


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```
IF POLICE STATION LENGTH > ZERO
   IF POLICE STATION NUMERIC
      PERFORM 4000-POL-STATION-CHECK
      MOVE POLICE STATION TO COM-RT-POLICE-ID-STATION-CODE
      MOVE POLICE STATION DESCRIPTION TO POLICE STATION
      OUTPUT FIELD
   ELSE
      MOVE CURSOR TO POLICE STATION LENGTH
      SET POLICE STATION ATTRIBUTE
      PERFORM 3000-FSET
   ENDIF
ENDIF
IF POLICE SERIAL LENGTH > ZERO
   IF POLICE SERIAL NUMERIC
      MOVE POLICE SERIAL TO COM-RF-POLICE-ID-SERIAL-NUMBER
   ELSE
      MOVE CURSOR TO POLICE SERIAL LENGTH
      SET POLICE SERIAL ATTRIBUTE
      PERFORM 3000-FSET
   ENDIF
ENDIF
```

```
IF ADDRESS NUMBER LENGTH > ZERO
   IF ADDRESS NUMBER NUMERIC
      MOVE ADDRESS NUMBER TO COM-RT-ADDRESS-BUILDING-NUMBER
   ELSE
      MOVE CURSOR TO ADDRESS NUMBER LENGTH
      SET ADDRESS NUMBER ATTRIBUTE
      PERFORM 3000-FSET
   ENDIF
ENDIF
IF ADDRESS STREET LENGTH > ZERO
   MOVE ADDRESS STREET TO COM-RT-ADDRESS-STREET-NAME
ELSE
   MOVE CURSOR TO ADDRESS STREET LENGTH
   SET ADDRESS STREET ATTRIBUTE
   MOVE 'STREET NAME IS MANDATORY' TO MSG-LINE2
   PERFORM 3000-FSET
ENDIF
IF ADDRESS GOVERNORATE LENGTH > ZERO
   IF ADDRESS GOVERNORATE NUMERIC
      PERFORM 4000-POL-GOVERN-CHECK
      MOVE GOVERNORATE TO COM-RT-ADDRESS-GOVERNORATE-CODE
      MOVE GOVERNORATE DESCRIPTION TO ADDRESS GOVERNORATE
      OUTPUT FIELD
```


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```
    ELSE
        MOVE CURSOR TO ADDRESS GOVERNORATE LENGTH
        SET ADDRESS GOVERNORATE ATTRIBUTE
        PERFORM 3000-FSET
    ENDIF
ENDIF
IF ADDRESS POLICE STATION LENGTH > ZERO
    IF ADDRESS POLICE STATION NUMERIC
        PERFORM 4000-POL-STATION-CHECK
        MOVE POLICE STATION TO COM-RT-ADDRESS-POLICE-STATION-
        CODE
        MOVE POLICE STATION DESCRIPTION TO ADDRESS POLICE
        STATION OUTPUT FIELD
    ELSE
        MOVE CURSOR TO ADDRESS POLICE STATION LENGTH
        SET ADDRESS POLICE STATION ATTRIBUTE
        PERFORM 3000-FSET
    ENDIF
ENDIF
IF ADDRESS UNIT LENGTH > ZERO
    IF ADDRESS UNIT NUMERIC
        PERFORM 4000-POL-UNIT-CHECK
        MOVE ADDRESS UNIT TO COM-RT-ADDRESS-POLICE-UNIT-CODE
        MOVE UNIT DESCRIPTION TO ADDRESS UNIT OUTPUT FIELD
```

```
    ELSE
        MOVE CURSOR TO ADDRESS UNIT LENGTH FIELD
        SET ADDRESS UNIT ATTRIBUTE
        PERFORM 3000-FSET
    ENDIF
ENDIF
IF NATIONALITY LENGTH > ZERO
    IF NATIONALITY NUMERIC
        PERFORM 4000-NATL-CHECK
        MOVE NATIONALITY TO COM-RT-NATIONALITY
        MOVE NATIONALITY DESCRIPTION TO NATIONALITY OUTPUT
        FIELD
    ELSE
        MOVE CURSOR TO NATIONALITY LENGTH
        SET NATIONALITY ATTRIBUTE
        PERFORM 3000-FSET
    ENDIF
ENDIF
IF SOURCE OF DATA LENGTH > ZERO
    IF SOURCE OF DATA NUMERIC
        PERFORM 4000-SOURCE-OF-DATA-CHECK
        MOVE SOURCE OF DATA TO COM-RT-ORIGINAL-SOURCE-OF-DATA-
        CODE
        MOVE SOURCE OF DATA DESCRIPTION TO SOURCE OF DATA
        OUTPUT FIELD
```

```
        ELSE
           MOVE CURSOR TO SOURCE OF DATA LENGTH
           SET SOURCE OF DATA ATTRIBUTE
           PERFORM 3000-FSET
        ENDIF
     ENDIF
     MOVE '1' TO COM-EDIT-SW
3000-FSET
     EXECCICS SEND
          MAPSET (COM-PANEL-SET)
          MAP (COM-PANEL)
          FREEKB
          ERASE
          FSET
          CURSOR
     END-EXEC
     PERFORM 7000-BASIC-RETURN
4000-DATE-ROUTINE-SECTION
     CALL 'DATECEI' USING EXTERNAL-DATE
                          INTERNAL-DATE
4000-POLICE-STATION-CHECK
     MOVE BIRTH-POLICE-STATION-PREFIX TO TABLE-KEY-PREFIX
     MOVE BIRTH-POLICE-STATION-CODE TO TABLE-KEY-VALUE
     GET TABLES DATABASE RECORD
     IF FOUND
          MOVE TABLE-DESCRIPTION TO BIRTH POLICE STATION
          OUTPUT FIELD
     ELSE
```


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```
        FAIL EDIT
    ENDIF
4000-SOURCE-OF-DATA-CHECK
    MOVE SOURCE OF DATA PREFIX TO TABLE KEY PREFIX
    MOVE SOURCE OF DATA CODE TO TABLE KEY VALUE
    GET TABLE DATA BASE RECORD
    IF FOUND
        MOVE TABLE DESCRIPTION TO SOURCE OF DATA OUTPUT FIELD
    ELSE
        FAIL EDIT
    ENDIF
4000-NATL-CHECK
    MOVE NATIONALITY PREFIX TO TABLE-KEY PREFIX
    MOVE NATIONALITY CODE TO TABLE KEY VALUE
    GET TABLES DATA BASE RECORD
    IF FOUND
        MOVE TABLE DESCRIPTION TO NATIONALITY OUTPUT FIELD
    ELSE
        FAIL EDIT
    ENDIF
4000-POL-UNIT-CHECK
    MOVE ADDRESS UNIT PREFIX TO TABLE KEY PREFIX
    MOVE ADDRESS UNIT CODE TO TABLE KEY VALUE
    GET TABLES DATABASE RECORD
    IF FOUND
        MOVE TABLE DESCRIPTION TO ADDRESS UNIT OUTPUT FIELD
    ELSE
```

```
        FAIL EDIT
    ENDIF
4000-REGISTRATION-UNIT-CHECK
    MOVE REG UNIT PREFIX TO TABLE KEY PREFIX
    MOVE REG UNIT CODE TO TABLE KEY VALUE
    GET TABLE DATABASE RECORD
    IF FOUND
        MOVE TABLE DESCRIPTION TO REG UNIT OUTPUT FIELD
    ELSE
        FAIL EDIT
    ENDIF
4000-REGISTRATION OFFICE-CHECK
    MOVE REG-OFFICE PREFIX TO TABLE KEY PREFIX
    MOVE REF OFFICE CODE TO TABLE KEY VALUE
    GET TABLES DATABASE RECORD
    IF FOUND
        MOVE TABLE DESCRIPTION TO REG OFFICE OUTPUT FIELD
    ELSE
        FAIL EDIT
    ENDIF
4000-REG-REGION
    MOVE REG REGION PREFIX TO TABLE-KEY PREFIX
    MOVE REG REGION CODE TO TABLE KEY VALUE
    GET TABLES DATA[illegible] RECORD
    IF FOUND
        MOVE TABLE DESCRIPTION TO REG REGION OUTPUT FIELD
    ELSE
        FAIL EDIT
```


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```
        ENDIF
4000-POL-GOVERN-CHECK
        MOVE POLICE GOVERNORATE PREFIX TO TABLE KEY PREFIX
        MOVE POLICE GOVERNORATE CODE TO TABLE KEY VALUE
        GET TABLE DATABASE RECORD
        IF FOUND
             MOVE TABLE DESCRIPTION TO POLICE GOVERNORATE
             OUTPUT FIELD
        ELSE
             FAIL EDIT
        ENDIF
4044-BIRTH-CHECK
        MOVE BIRTH-LOCATION PREFIX TO TABLE KEY PREFIX
        MOVE BIRTH LOCATION TO TABLE KEY VALUE
        GET TABLES DATABASE RECORD
        IF FOUND
             MOVE TABLE-DESCRIPTION TO BIRTH-LOCATION-DESCRIPTION
        ELSE
             FAIL EDIT
        ENDIF
4800-RESEND-MAP
        EXEC CICS SEND
             MAPSET (COM-PANEL-SET)
             MAP (COM-PANEL)
             FREEKB
             ERASE
             FSET
```


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```
            CURSOR
        END=EXEC
        PERFORM 7000-BASIC-RETURN
4900-XCTL
        EXEC CICS XCTL
            PROGRAM (COM-DESTIN-PROG)
            COMMAREA (DFHCOMMAREA-W)
            LENGTH (COM-LENGTH)
        END-EXEC
7000-SEND-INITIAL-MAPS
        EXEC CICS SEND
            MAPSET (COM-PANEL-SET)
            MAP (COM-PANEL)
            FREEKB
            ERASE
            FSET
            CURSOR
        END-EXEC
7000-BASIC-RETURN
        EXEC CICS RETURN
            TRANSID (COM-TRAN-ID)
            COMMAREA (DFH-COMMAREA-W)
            LENGTH (COM-LENGTH)
        END-EXEC
```


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PROGRAM DESCRIPTION

System: Registration

Subsystem: Individuals Registration

Function: Auditor Processing

Program: ERKP920 - Duplication Check

CICS Trans ID: K920

Author: SWB

Date f.c.: 31 July 198

Date l.u.: 10 Aug 1984

Phase: 2

Description:

The Duplication Check Subprogram can be invoked from two different Auditor Modules - Audit Original Application and Audit Modification. In the case of Audit Modification, the Duplication Check Subprogram is only required if Part I data is changed, although it may be selected at the Auditor's option even though Part I data hasn't been modified.

The Duplication Check Subprogram allows the Auditor to scan the National Names Database for individuals already on file with the same name as the name provided. The starting name will be the name on the Registration Transaction but the Auditor can modify the name to search for similar names if he/she wishes. If the Auditor identifies a name that requires further evaluation, the name can be selected for full display of Part I and Part II data from the National Individuals Database.

The search process displays detail data depending on the SENSITIVITY-INDICATOR. If a record to be displayed has the SENSITIVITY-INDICATOR turned on and the Auditor is not authorized to access sensitive individual data then only name data will be presented with the remainder of the data blank.

Upon initial entry this program will scan the National Individual Names Database giving the count of exact matches on Part I data and displaying the first screen page with one name per line. The Auditor can then continue the scan or return to the invoking program. The initial scan is mandatory but the Auditor determines whether to approve the transaction or not.

In the scan mode, a starting position is provided on the screen input. The National Names Database is read to retrieve the next "page full" of records that match the search requirement. This page is presented on the screen with the restart position already filled in for continuing the scan. This

restart position can be changed to a new location or left as presented for the next entry. If the Auditor wishes to investigate a name/SIN presented on the screen, he selects the corresponding line number and presses a specified program function key at which point the National Individuals Database is read and the Part I and Part II data are displayed. The Auditor can either enter another SIN for display or switch back to the Names screen to continue the scan.

When the Auditor has completed the duplication check processing returns to the invoking program.

INPUTS:

Files: National Names, National Individual, Tables, Databases

Screens: Duplication Check - ERKS920

Reports: None

Documents: None

OUTPUTS:

Files: None

Screens: Duplication Check - ERKS920

Reports: None

Documents: None

INTERFACE:

Invoked by: ERKP110 or ERKP120

Transfers to: Invoking Program

STANDARD MODULES:

Name: None

Function: None

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```
PROCESSING LOGIC
0000-MAIN-PROCESS
     IF COM-PROGRAM-STATE = 1
          GO TO 1000-INITIALIZATION
     ELSE
     IF COM-PROGRAM-STATE = 2
          GO TO 2000-PROCESS-NAMES-DISPLAY-SCREEN
     ELSE
     IF COM-PROGRAM-STATE = 3
          GO TO 3000-PROCESS-DETAIL-DATA-SCREEN
     ENDIF
     SET MESSAGE-CODE TO 'PROGRAM STATE ERROR'
     PERFORM 9950-MESSAGE-PROCESSING
     PERFORM 0920-SEND-SCREEN
     SET COM-PROGRAM-STATE TO 9999
     GO TO 9999-TERMINATE
0920-SEND-SCREEN
     EXEC CICS SEND
          FROM (MSG-LINE)
          LENGTH (79)
          ERASE
     END-EXEC
1000-INITILIZATION
     SAVE CALLING-DATA IN COM-SAVE-AREA
     SET COM-PANEL TO MAP-NAME (ERKS920)
     SET COM-PANEL2 TO MAP-NAME (ERKS921)
     SET COM-PANEL-SET TO MAP-SET-NAME (ERKS920S)
     SET COM-TRAN-ID TO PROGRAM-TRANSACTION-ID (K920)
```


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```
        SET COM-ACTIVE PFKS TO NULL
        SET INDIVIDUAL-NAME-RECORD-KEY TO LOW-VALUES
        SET  FULL-NAME OF INDIVIDUAL-NAME-RECORD-KEY TO FULL-NAME OF
        COM-FULL-NAME
        SET NAME-SCAN-START TO INDIVIDUAL-NAME-RECORD-KEY
        SET NAME-SCAN-SELECTION-ON-BIRTH-LOCATION TO OFF
        SET NAME-SCAN-SELECTION-ON-BIRTH-DATE TO OFF
        SET NAME-SCAN-SELECTION-ON-SEX-CODE TO OFF
        PERFORM 9100-BUILD-NAME-SCREEN
        SET COM-ACTIVE PFKS TO 'EXIT'
                               'ENTER KEY'
                               'NEXT PAGE'
                               'RESTART'
                               'SHOW DETAIL DATA'
      PERFORM 1920-SEND-SCREEN
      SET COM-PROGRAM-STATE TO 2
      GO TO 1999-RETURN
1900-SEND-SCREEN
      EXEC CICS SEND
           MAPSET (COM-PANEL-SET)
           MAP (COM-PANEL)
           FREEKB
           ERASE
           FSET
           CURSOR
      END-EXEC
1999-RETURN
```


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```
      EXEC CICS RETURN
           TRANSID (COM-TRAN-ID)
           COMMAREA (DFHCOMMAREA-W)
           LENGTH (COM-LENGTH)
      END-EXEC

 2000-PROCESS-NAMES-DISPLAY-SCREEN
      PERFORM 2910-RECEIVE-SCREEN
      IF PFK-NEXT-PAGE OR PFK-ENTER-KEY
           PERFORM 2100-NEXT-PAGE
           PERFORM 2920-SEND-SCREEN
      ELSE
      IF PFK-RESTART
           PERFORM 2200-RESTART
           PERFORM 2920-SEND-SCREEN
      ELSE
      IF PFK-SHOW-DETAIL-DATA
           PERFORM 2300-SHOW-DETAIL
      ELSE
      IF PFK-EXIT
           SET MESSAGE-CODE TO 'PROGRAM TERMINATED'
           PERFORM 9950-MESSAGE-PROCESSING
           PERFORM 2920-SEND-SCREEN
           SET COM-PROGRAM-STATE TO 9999
           GO TO 9999-TERMINATE
      ENDIF
      GO TO 2999-RETURN
 2100-NEXT-PAGE
```

```
        SET NAME-SCAN-START TO MAP-NEXT-SCAN-START
        IF MAP-SELECT-ON-BIRTH-LOCATION IS ON
             SET  MAP-SCAN-SELECTION-ON-BIRTH-LOCATION TO  MAP-NEXT-
             SCAN-BIRTH-LOCATION
        ELSE
             SET MAP-SCAN-SELECTION-ON-BIRTH-LOCATION TO OFF
        ENDIF
        IF MAP-SELECT-ON-BIRTH-DATE IS ON
             SET MAP-SCAN-SELECTION-ON-BIRTH-DATE TO  MAP-NEXT-SCAN-
             BIRTH-DATE
        ELSE
             SET MAP-SCAN-SELECTION-ON-BIRTH-DATE TO OFF
        ENDIF
        IF MAP-SELECT-ON-SEX-CODE IS ON
             SET  MAP-SCAN-SELECTION-ON-SEX-CODE  TO  MAP-NEXT-SCAN-
             SEX-CODE
        ELSE
             SET MAP-SCAN-SELECTION-ON-SEX-CODE TO OFF
        ENDIF
        PERFORM 9100-BUILD-NAME-SCREEN
2200-RESTART
        SET INDIVIDUAL-RECORD-KEY TO LOW-VALUES
        SET  FULL-NAME OF INDIVIDUAL-NAME-RECORD KEY TO FULL-NAME OF
        COM-FULL-NAME
        SET NAME-SCAN-START TO INDIVIDUAL-NAME-RECORD-KEY
        SET NAME-SCAN-SELECTION-ON-BIRTH-LOCATION TO OFF
        SET NAME-SCAN-SELECTION-ON-BIRTH-DATE TO OFF
        SET NAME-SCAN-SELECTION-ON-SEX-CODE TO OFF
```

```
        PERFORM 9100-BUILD-NAME-SCREEN
  2300-SHOW-DETAIL
        SET LINE-SELECTED-FLAG TO OFF
        PERFORM 2310-SCAN-SCREEN-BUFF
              VARYING SCREEN-LINE-SUB FROM 1 BY 1
              UNTIL
              LINE-SELECTED-FLAG = ON
                  OR
              SCREEN-LINE-SUB > MAX-DISPLAY-LINES
       IF LINE-SELECTION-FLAG = ON
              SET RESTART-NAME TO MAP-FULL-NAME (1)
              SET DETAIL-DISPLAY-SIN TO SELECTED-SIN
              SET COM-ACTIVE PFKS TO 'EXIT'
                                     'ENTER KEY'
                                     'SHOW NAMES SCREEN'
              PERFORM 9200-BUILD-DETAIL-SCREEN
              PERFORM 2930-SEND-DETAIL-SCREEN
              SET COM-PROGRAM-STATE TO 3
              GO TO 2999-RETURN
       ELSE
              SET MESSAGE-CODE 'LINE SELECTION REQUIRED'
              PERFORM 9950-MESSAGE-PROCESSING
              PERFORM 2920-SEND-SCREEN
              GO TO 2999-RETURN
       ENDIF
  2310-SCAN-SCREEN-BUFF
       IF MAP-LINE-SELECT (SCREEN-LINE-SUB) = 'X'
```


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```
            SET LINE-SELECTED-FLAG TO ON
            SET DETAIL-DISPLAY-SIN TO MAP-LINE-SIN  (SCREEN-LINE-
            SUB)
        ENDIF
2910-RECEIVE-SCREEN
        EXEC CICS RECEIVE
            MAPSET (COM-PANEL-SET)
            MAP (COM-PANEL)
            SET (COM-PANEL-POINTER)
        END-EXEC
2920-SEND-SCREEN
        EXEC CICS SEND
            MAPSET (COM-PANEL-SET)
            MAP (COM-PANEL)
            FREEKB
            ERASE
            FSET
            CURSOR
        END-EXEC
2930-SEND-DETAIL-SCREEN
        EXEC CICS SEND
            MAPSET (COM-PANEL-SET)
            MAP (COM-PANEL2)
            FREEKB
            ERASE
            FSET
            CURSOR
        END-EXEC
```

```
2999-RETURN
     EXEC CICS RETURN
          TRANSID (COM-TRAN-ID)
          COMMAREA (DFHCOMMAREA-W)
          LENGTH (COM-LENGTH)
     END-EXEC
3000-PROCESS-DETAIL-DATA-SCREEN
     PERFORM 3910-RECEIVE-SCREEN
     IF PFK-ENTER-KEY
          PERFORM 9200-BUILD-DETAIL-SCREEN
          PERFORM 3920-SEND-SCREEN
     ELSE
     IF PFK-SHOW-NAMES-SCREEN
          SET NAME-SCAN-START TO RESTART-VALUE
          PERFORM 9100-BUILD-NAME-SCREEN
          PERFORM 3930-SEND-NAME-SCREEN
          SET COM-PROGRAM-STATE TO 2
          GO TO 3999-RETURN
     ELSE
     IF PFK-EXIT
          SET MESSAGE-CODE TO 'PROGRAM TERMINATED'
          PERFORM 9950-MESSAGE-PROCESSING
          PERFORM 3920-SEND-SCREEN
          SET COM-PROGRAM-STATE TO 9999
          GO TO 9999-TERMINATE
     ENDIF
     GO TO 2999-RETURN
```


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```
3910-RECEIVE-SCREEN
     EXEC CICS RECEIVE
          MAPSET (COM-PANEL-SET)
          MAP (COM-PANEL)
          SET (COM-PANEL-POINTER)
     END EXEC

3920-SEND-SCREEN
     EXEC CICS SEND
          MAPSET (COM-PANEL-SET)
          MAP (COM-PANEL2)
          FREEKB
          ERASE
          FSET
          CURSOR
     END-EXEC
3930-SEND-NAME-SCREEN
     EXEC CICS SEND
          MAPSET (COM-PANEL-SET)
          MAP (COM-PANEL)
          FREEKB
          ERASE
          FSET
          CURSOR
     END-EXEC
3999-RETURN
     EXEC CICS RETURN
          TRANSID (COM-TRAN-ID)
```

```
        COMMAREA (DFHCOMMAREA-W)
        LENGTH (COM-LENGTH)
    END-EXEC
9100-BUILD-NAME-SCREEN
    FORMAT SSA1 FOR NAME SCAN:
        INDIVIDUAL-NAME-RECORD-KEY  GREATER  THAN OR  EQUAL  TO
        NAME-SCAN-START
    IF QUALIFIED BY BIRTH-LOCATION APPEND TO SSA1 BIRTH-LOCATION
    EQUAL TO NAME-SCAN-BIRTH-LOCATION
    ENDIF
    IF  QUALIFIED BY BIRTH-DATE APPEND TO SSA1 BIRTH-DATE  EQUAL
    TO NAME-SCAN-BIRTH-DATE
    ENDIF
    IF  QUALIFIED  BY SEX-CODE APPEND TO SSA1 SEX-CODE EQUAL  TO
    NAME-SCAN-SEX CODE
    ENDIF
    SET MAP-NAME-LINES TO SPACES
    SET MORE-LINES-FLAG TO ON
    PERFORM 9110-BUILD-LINE
        VARYING SCREEN-LINE-SUB FROM 1 BY 1
            UNTIL
        SCREEN-LINE SUB > MAX-DISPLAY LINES OR
        MORE-LINES-FLAG IS OFF
9110-BUILD-LINE
    IF SCREEN-LINE-SUB = 1
        SET FUNC TO GET UNIQUE
    ELSE
        SET FUNC TO GET NEXT
```

```
     CALL 'CBLTDLI' FOR FUNC
          INDIVIDUAL-NAME-RECORD GREATER THAN OR EQUAL TO SSA1
     IF FOUND
          FORMAT SCREEN-MAP-LINE (SCREEN-LINE-SUB)
     ELSE
          SET MORE-LINES-FLAG TO OFF
     ENDIF
9200-BUILD-DETAIL-SCREEN
     SET SSA2 TO DETAIL-DISPLAY-SIN
     CALL 'CBLTDLI' FOR GET UNIQUE INDIVIDUAL-RECORD EQUAL TO
     SSA2
     FORMAT SCREEN-MAP USING INDIVIDUAL-RECORD AND TABLES-
     DATABASE
9950-MESSAGE-PROCESSING
     FORMAT MSG-LINE FROM MESSAGE-CODE
9999-TERMINATE
     RESET COM-SAVE-AREA TO CALLING-DATA
     SET COM-TRAN-ID TO 'COM-SAVE-CALLING-PROGRAM'
     EXEC CICS RETURN
          TRANSID (COM-TRAN-ID)
          COMMAREA (DFHCOMMAREA-W)
          LENGTH (COM-LENGTH)
     END-EXEC
```

IDENTIFYING THE CORRECT INDIVIDUALS DATABASE FOR A GIVEN SIN

The National Individuals Database has a target record count for design purposes of 20,000,000 Individual Records. These records will be partitioned into 20 physical DL/I databases to facilitate data storage allocation and database maintenance. The following discussion presents the mechanism for identifying and accessing the correct physical database for a given SIN.

Two attachments are provided to support this discussion:

- A sample PSBGEN (The segment names may not be accurate - refer to the DBDGEN for the correct names).
- A sample COBOL program (partial) with notes. The remainder of this discussion refers to the noted lines of code.

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SAMPLE PSBGEN FOR COBOL/CICS/DL/I EXAMPLE

```
PCB       TYPE=DB,DBDNAME=ESITABLE,PROCOPT=G,KEYLEN=11
SENSEG    NAME=TABLEREC,PARENT=0

PCB       TYPE=DB,DBDNAME=ESIRTRAN,PROCOPT=GR,KEYLEN=11
SENSEG    NAME=ITRANREC,PARENT=0

PCB       TYPE=DB,DBDNAME=ESIIND00,PROCOPT=A,KEYLEN=4
SENSEG    NAME=INDVREC,PARENT=0
PCB       TYPE=DB,DBDNAME=ESIIND01,PROCOPT=A,KEYLEN=4
SENSEG    NAME=INDVREC,PARENT=0
PCB       TYPE=DB,DBDNAME=ESIIND02,PROCOPT=A,KEYLEN=4
SENSEG    NAME=INDVREC,PARENT=0
PCB       TYPE=DB,DBDNAME=ESIIND03,PROCOPT=A,KEYLEN=4
SENSEG    NAME=INDVREC,PARENT=0
PCB       TYPE=DB,DBDNAME=ESIIND04,PROCOPT=A,KEYLEN=4
SENSEG    NAME=INDVREC,PARENT=0
PCB       TYPE=DB,DBDNAME=ESIIND05,PROCOPT=A,KEYLEN=4
SENSEG    NAME=INDVREC,PARENT=0
PCB       TYPE=DB,DBDNAME=ESIIND06,PROCOPT=A,KEYLEN=4
SENSEG    NAME=INDVREC,PARENT=0
PCB       TYPE=DB,DBDNAME=ESIIND07,PROCOPT=A,KEYLEN=4
SENSEG    NAME=INDVREC,PARENT=0
PCB       TYPE=DB,DBDNAME=ESIIND08,PROCOPT=A,KEYLEN=4
SENSEG    NAME=INDVREC,PARENT=0
PCB       TYPE=DB,DBDNAME=ESIIND09,PROCOPT=A,KEYLEN=4
SENSEG    NAME=INDVREC,PARENT=0
PCB       TYPE=DB,DBDNAME=ESIIND10,PROCOPT=A,KEYLEN=4
SENSEG    NAME=INDVREC,PARENT=0
PCB       TYPE=DB,DBDNAME=ESIIND11,PROCOPT=A,KEYLEN=4
SENSEG    NAME=INDVREC,PARENT=0
PCB       TYPE=DB,DBDNAME=ESIIND12,PROCOPT=A,KEYLEN=4
SENSEG    NAME=INDVREC,PARENT=0
PCB       TYPE=DB,DBDNAME=ESIIND13,PROCOPT=A,KEYLEN=4
SENSEG    NAME=INDVREC,PARENT=0
PCB       TYPE=DB,DBDNAME=ESIIND14,PROCOPT=A,KEYLEN=4
SENSEG    NAME=INDVREC,PARENT=0
PCB       TYPE=DB,DBDNAME=ESIIND15,PROCOPT=A,KEYLEN=4
SENSEG    NAME=INDVREC,PARENT=0
PCB       TYPE=DB,DBDNAME=ESIIND16,PROCOPT=A,KEYLEN=4
SENSEG    NAME=INDVREC,PARENT=0
PCB       TYPE=DB,DBDNAME=ESIIND17,PROCOPT=A,KEYLEN=4
SENSEG    NAME=INDVREC,PARENT=0
PCB       TYPE=DB,DBDNAME=ESIIND18,PROCOPT=A,KEYLEN=4
SENSEG    NAME=INDVREC,PARENT=0
PCB       TYPE=DB,DBDNAME=ESIIND19,PROCOPT=A,KEYLEN=4
SENSEG    NAME=INDVREC,PARENT=0

PSBGEN    PSBNAME=PCBSMPL,LANG=COBOL
END
```


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```
IDENTIFICATION DIVISION.
PROGRAM-ID. PCBSMPL.
ENVIRONMENT DIVISION.
DATA DIVISION.
WORKING-STORAGE SECTION.

77  PSB-NAME                      PIC X(8) VALUE 'PCBSMPL '.  NOTE. 01.
77  FIRST-INDV-DB-PCB             PIC S9(4) COMP VALUE +3.    NOTE. 02.

01  CBLTDLI-CALL-FUNCTIONS.                                   NOTE. 03.
    05  PCB                       PIC X(4) VALUE 'PCB '.
    05  GU                        PIC X(4) VALUE 'GU  '.
    05  TERM                      PIC X(4) VALUE 'TERM'.

01  DIFFERENT-SIN-FORMATS.                                    NOTE. 04.
    05  SIN-DATA-STORAGE          PIC 9(9) COMP.
    05  SIN-DISPLAY-UNFORMATTED PIC 9(9).
    05  SIN-WITH-CHECK-DIGIT      REDEFINES
        SIN-DISPLAY-UNFORMATTED.
        10  INTERNAL-SIN          PIC 9(8).
        10  SIN-CHECK-DIGIT       PIC 9(1).
    05  SIN-FOR-DATABASE-DETERMINATION REDEFINES
        SIN-DISPLAY-UNFORMATTED.
        10  SIN-DATABASE-NUMBER PIC 9(2).
        10  FILLER                PIC 9(7).
    05  SIN-WITHOUT-HYPHENS       REDEFINES
        SIN-DISPLAY-UNFORMATTED.
        10  SIN-FIRST-THREE       PIC 9(3).
        10  SIN-MIDDLE-THREE      PIC 9(3).
        10  SIN-LAST-THREE        PIC 9(3).
    05  SIN-FORMATTED-FOR-SCREEN.
        10  SIN-FIRST-THREE       PIC 9(3).
        10  SIN-HYPHEN1           PIC X(1).
        10  SIN-MIDDLE-THREE      PIC 9(3).
        10  SIN-HYPHEN2           PIC X(1).
        10  SIN-LAST-THREE        PIC 9(3).

01  INDIVIDUAL-RECORD             PIC X(170).                 NOTE. 05.

01  INDV-REC-SSA.                                             NOTE. 06.
    05  SEGMENT-NAME              PIC X(8) VALUE 'INDVREC '.
    05  FILLER                    PIC X(1) VALUE '('.
    05  KEY-FIELD-NAME            PIC X(8) VALUE 'INDVSIN '.
    05  FILLER                    PIC X(2) VALUE 'EQ'.
    05  INDV-REC-SSA-SIN          PIC 9(9) COMP.
    05  FILLER                    PIC X(1) VALUE ')'.
```


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```
LINKAGE SECTION.

01  DFHCOMMAREA COPY COMAESIS.                                  NOTE. 07.

01  BLLCELLS.                                                  NOTE. 08.
    05  FILLER                    PIC S9(8) COMP.               NOTE. 09.
    05  UIB-PTR                   PIC S9(8) COMP.               NOTE. 10.
    05  PCB-LIST-PTR              PIC S9(8) COMP.               NOTE. 11.
    05  PCB-PTRS.                                               NOTE. 12.
        10  PCB-PTR OCCURS 22 TIMES PIC S9(8) COMP.

01  DLIUIB.                                                    NOTE. 13.
    05  UIBPCBAL                  PIC S9(8) COMP.
    05  UIBRCODE                  PIC X(2).

01  PCB-LIST-ADDRESSES.                                        NOTE. 14.
    05  PCB-ADDRESS-PTR OCCURS 22 TIMES PIC S9(8) COMP.

01  PCB-TABLES.                                                NOTE. 15.
    05  PCB-TABL-DBD-NAME         PIC X(8).
    05  PCB-TABL-SEG-LEVEL        PIC X(2).
    05  PCB-TABL-STATUS-CODE      PIC X(2).
    05  PCB-TABL-PROC-OPT         PIC X(4).
    05  PCB-TABL-FILLER           PIC S9(5) COMP.
    05  PCB-TABL-SEG-NAME         PIC X(8).
    05  PCB-TABL-LEN-KFB          PIC S9(5) COMP.
    05  PCB-TABL-NBR-SENSEGS      PIC S9(5) COMP.
    05  PCB-TABL-KEY-FEED-BACK    PIC X(256).

01  PCB-ITRANSACTION.                                          NOTE. 16.
    05  PCB-ITRN-DBD-NAME         PIC X(8).
    05  PCB-ITRN-SEG-LEVEL        PIC X(2).
    05  PCB-ITRN-STATUS-CODE      PIC X(2).
    05  PCB-ITRN-PROC-OPT         PIC X(4).
    05  PCB-ITRN-FILLER           PIC S9(5) COMP.
    05  PCB-ITRN-SEG-NAME         PIC X(8).
    05  PCB-ITRN-LEN-KFB          PIC S9(5) COMP.
    05  PCB-ITRN-NBR-SENSEGS      PIC S9(5) COMP.
    05  PCB-ITRN-KEY-FEED-BACK    PIC X(256).

01  PCB-INDIVIDUAL.                                            NOTE. 17.
    05  PCB-INDV-DBD-NAME         PIC X(8).
    05  PCB-INDV-SEG-LEVEL        PIC X(2).
    05  PCB-INDV-STATUS-CODE      PIC X(2).
    05  PCB-INDV-PROC-OPT         PIC X(4).
    05  PCB-INDV-FILLER           PIC S9(5) COMP.
    05  PCB-INDV-SEG-NAME         PIC X(8).
    05  PCB-INDV-LEN-KFB          PIC S9(5) COMP.
    05  PCB-INDV-NBR-SENSEGS      PIC S9(5) COMP.
    05  PCB-INDV-KEY-FEED-BACK    PIC X(256).
```

```
PRODECURE DIVISION.

*                                !
*      Initializing code.
*                                !
*                                V
*                                !
*      Present first screen and get input.
*                                !
*                                V
   PERFORM 1000-PROCESS-SCREEN.
*                                !
*      Process subsequent input.
*                                !
*                                V
 1000-PROCESS-SCREEN.

*                                !
*    Get map, edit SIN, etc.
*                                !
*                                V

   CALL 'CBLTDLI' USING PCB                                        NOTE. 18.
                        PSB-NAME
                        UIB-PTR.
   IF UIBRCODE NOT = LOW-VALUES
*        Process error message.
         GO TO 9000-SEND-MAP.
   SERVICE RELOAD DLIUIB.                                          NOTE. 19.
   MOVE UIBPCBAL TO PCB-LIST-PTR.                                  NOTE. 20.
   SERVICE RELOAD PCB-LIST.                                        NOTE. 21.
   MOVE PCB-LIST-ADDRESSES TO PCB-POINTERS.                        NOTE. 22.
   SERVICE RELOAD PCB-TABLES.                                      NOTE. 23.
   SERVICE RELOAD PCB-ITRANSACTION.                                NOTE. 24.

   MOVE CORRESPONDING SIN-FORMATTED-FOR-SCREEN TO                  NOTE. 25.
                      SIN-WITHOUT-HYPHENS.
   COMPUTE PCB-REF = FIRST-INVD-DB-PCB +                           NOTE. 26.
                     SIN-DATABASE-NUMBER.
   MOVE PCB-PTR (PCB-REF) TO                                       NOTE. 27.
        PCB-PTR (FIRST-INDV-DB-PCB).
   SERVICE RELOAD PCB-INDVIDUAL.                                   NOTE. 28.
   MOVE SIN-DISPLAY-UNFORMATTED TO INDV-REC-SSA-SIN.               NOTE. 29.
   CALL 'CBLTDLI' USING GU                                         NOTE. 30.
                        PCB-INDIVIDUAL
                        INDIVIDUAL-RECORD
                        INDV-REC-SSA.
*                                !
*      Check for successful call and process record.
*      Send Map.                 !
*                                !
*                                V
   CALL 'CBLTDLI' USING TERM.                                      NOTE. 31.

 9000-SEND-MAP.
```

NOTE 1. PSB-NAME is used in the CBLTDLI call that schedules the PSB (Note 18). The value of PSB-NAME is set to the value provided in the PSBNAME = parameter of the PSBGEN macro. (PCBSMPL).

NOTE 2. FIRST-INDV-DB-PCB holds the relative position of the first PCB in the PSB for a partition of the National Individuals Database (ESIIND00). It is used in PCB addressing (NOTES 26 & 27).

NOTE 3. The CALL function for CBLTDLI used in this program are referenced:

- PCB - Schedule the PSB (CICS) Note 18.
- GU - Get Unique (DL/I) Note 39.
- TERM - Release the PSB (CICS) Note 31.

The function names will be provided as a standard COPYLIB member for AESIS.

NOTE 4. The SIN is the key field to the root segment, and only segment type, of the National Individuals Database. The SIN consists of an eight-digit serial number (INTERNAL-SIN), with a check digit (SIN-CHECK-DIGIT) appended to the right. When the SIN is formatted for output, hyphens are used between groups of three digits (e.g., 999-999-999). Upon input, the SIN may have embedded hyphens, which will have to be stripped out. For database storage, the SIN is stored in binary format (COMP) in four bytes. In addition, numeric data will be keyed in in Arabic digits and not EBCDIC digits 0-9 although there is a one-to-one correlation between the two. The conversion between Arabic digits and EBCDIC digits 0-9 will be accomplished in Egypt and not a part of our current effort.

The determination of the correct database to reference is derived from the leftmost two digits of the SIN (SIN-DATABASE-NUMBER). (Note 26.)

NOTE 5. INDIVIDUAL-RECORD is the data area for the Individual Record from the National Individuals Database. Its definition will be provided by a standard COPYLIB member (Note 30).

NOTE 6. INDV-REC-SSA is a Segment Search Argument used in the sample get unique call to CBLTDLI. (Note 30).

NOTE 7. DFHCOMMAREA is the standard communications area for AESIS, provided by a standard COPYLIB member. The communications area must be named DFHCOMMAREA, and be the first 01 level in the Linkage Section (for programs

that are invoked by another program and receive the communications area). Reference: CICS/VS, Version 1 Release 5, Application Programmer's Reference Manual (Command Level) pp. 20, 191/194.

NOTE 8. BLLCELLS (Base Locator for Linkage Cells) are used by COBOL to address outside of WORKING-STORAGE (e.g., LINKAGE SECTION). In CICS, the USING option of the PROCEDURE DIVISION statement is not used to establish addressability to 01 levels of the Linkage Section. Instead, CICS provides a mechanism to allow the application program to reference the BLL CELLS directly. Refer to CICS/VS 1.5, APRM, p. 20/22 for further details. The BLLCELLS in the sample program reference the 01 levels in the Linkage Section in the order of their presentation:

FILLER addresses BLLCELLS
UIB-PTR addresses DLIUIB
PCB-LIST-PTR addresses PCB-LIST-ADDRESSES
PCB-PTRS addresses the 22 PCB's of the PSB for the program.

Upon program initiation, only the address of BLLCELLS itself is established. The remainder of the data areas in the Linkage Section (except DFHCOMMAREA) must be correctly addressed prior to a standard COBOL reference to the areas.

NOTE 9. FILLER contains the address of the BLLCELLS.

NOTE 10. UIB-PTR is used to address DLIUIB.

NOTE 11. PCB-LIST-PTR is used to address PCB-LIST-ADDRESSES.

NOTE 12. PCB-PTRS are used to address the 22 PCBs of the PSB for the program.

NOTE 13. DLIUIB is the CICS-provided (standard CICS COPYLIB member) User Interface Block used by CICS to communicate the results of CICS processing of CBLTDLI calls. It contains:

UIBPCBAL - PCB Address List after the PSB is successfully scheduled (NOTE 18).

UIBRCODE - The CICS return code of CBLTDLI calls (not to be confused with the DL/I Status Code).

Refer to CICS/VS 1.5, APRM, p. 70 for more information on DLIUIB.

NOTE 14. PCB-LIST-ADDRESSES is used to temporarily hold the address list for the PCBs made available by the function 'PCB' call to CBLTDLI (Notes 18 & 22).

NOTE 15. PCB-TABLES is the PCB for the Tables Database.

NOTE 16. PCB-TRANSACTION is the PCB for the Individual Registration Transaction Database.

NOTE 17. PCB-INDIVIDUAL is the PCB for the partition of the National Individuals Database that will be identified by the first two digits of the SIN:

"00" corresponds to ESIIND00

"01" corresponds to ESIIND01
. " " .
. " " .
. " " .
. " " .
"19" corresponds to ESIIND19

Notice that only once PCB reference is provided since the pointers are adjusted to have the first Individuals PCB reference point to the desired database PCB (Notes 26 and 27).

NOTE 18. The procedure division statements for accessing the correct database in the CICS on-line environment are presented at NOTES 18 thru 31. The processing example assumes the following:

- The SIN has been entered on the screen in SIN-SCREEN-FORMAT
- The SIN-SCREEN-FORMAT has been edited and Arabic digits converted to corresponding EBCDIC digits 0-9
- The CHECK-DIGIT-ROUTINE has determined that the SIN-CHECK-DIGIT is correct
- The application program needs to retrieve the Individual Record for the SIN from the National Individuals Database.

The call at NOTE 18 schedules the PSB for the task. If successful, this call returns the address of the DLIUIB in the second BLLCELL (UIB-PTR). Refer to CICS/VS 1.5, APRM p. 70/75 for more information.

NOTE 19. SERVICE RELOAD is a compiler-directing statement that is needed if the optimizing feature of the COBOL compiler is used. It resets addressability after the BLL pointer is modified. Refer to CICS/VS 1.5, APRM p.21 for more information.

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NOTE 20. The field UIBPCBAL (PCB Address List) is moved to the third BLLCELL (PCB-LIST-PTR).

NOTE 21. SERVICE RELOAD (See Note 19).

NOTE 22. The PCB addresses are moved to BLLCELLS 4 thru 25. After this move 22 "01" levels corresponding to the 22 PCBs could be addressed. The sample program only uses three PCBs since only one partition of the National Individuals Database is used for each invocation of the program. The correct PCB to reference is established at NOTES 26 and 27.

NOTE 23. SERVICE RELOAD (See Note 19).

NOTE 24. SERVICE RELOAD (See Note 19). Notice that a SERVICE RELOAD is not yet performed for the Individuals Database since the appropriate partition has not yet been determined.

NOTE 25. Reformat the SIN to remove the hyphens.

NOTE 26. This statement uses the two leftmost digits of the SIN and the location of the first PCB for the Individuals Database in the PSB to calculate the PCB for the specific SIN that was entered.

NOTE 27. The pointer for the PCB of interest is moved to the first Individuals Database PCB so that a single Individual PCB mask can be used is subsequent calls to CBLTDLI.

NOTE 28. SERVICE RELOAD (See Notes 19 and 24).

NOTE 29. Set up the Segment Search Argument.

NOTE 30. Call the database.

NOTE 31. Release the PSB after completion of a logical unit of work. Refer to CICS/VS 1.5, APRM, p. 72 for more information on releasing the PSB.

IDENTIFYING THE CORRECT NAMES

DATABASE FOR A GIVEN NAME

The National Individual Names Database has a target record count for design purposes of 20,000,000 Individual Name Records. These records will be partitioned into 20 physical DL/I Databases to facilitate data storage allocation and database maintenance. Presented below is a discussion of the mechanism for identifying and accessing the correct physical database for a given Individual Name.

Two attachments are provided to support this discussion:

- A Sample PSBGEN (the segment names may not be accurate - refer to the DBDGENs for the correct names).
- A sample COBOL program (partial) with notes. The remainder of this discussion refers to the noted lines of code.

This discussion covers the topic of addressing the National Individual Names Database. For a discussion on the National Individuals Database and the fundamentals of PSB addressing, refer to the previous example.

SAMPLE PSBGEN FOR COBOL/CICS/DL/I EXAMPLE

```
PCB       TYPE=DB,DBDNAME=ESITABLE,PROCOPT=G,KEYLEN=11
SENSEG    NAME=TABLEREC,PARENT=0

PCB       TYPE=DB,DBDNAME=ESINAM00,PROCOPT=G,KEYLEN=49
SENSEG    NAME=ESINAMES,PARENT=0
PCB       TYPE=DB,DBDNAME=ESINAM01,PROCOPT=G,KEYLEN=49
SENSEG    NAME=ESINAMES,PARENT=0
PCB       TYPE=DB,DBDNAME=ESINAM02,PROCOPT=G,KEYLEN=49
SENSEG    NAME=ESINAMES,PARENT=0
PCB       TYPE=DB,DBDNAME=ESINAM03,PROCOPT=G,KEYLEN=49
SENSEG    NAME=ESINAMES,PARENT=0
PCB       TYPE=DB,DBDNAME=ESINAM04,PROCOPT=G,KEYLEN=49
SENSEG    NAME=ESINAMES,PARENT=0
PCB       TYPE=DB,DBDNAME=ESINAM05,PROCOPT=G,KEYLEN=49
SENSEG    NAME=ESINAMES,PARENT=0
PCB       TYPE=DB,DBDNAME=ESINAM06,PROCOPT=G,KEYLEN=49
SENSEG    NAME=ESINAMES,PARENT=0
PCB       TYPE=DB,DBDNAME=ESINAM07,PROCOPT=G,KEYLEN=49
SENSEG    NAME=ESINAMES,PARENT=0
PCB       TYPE=DB,DBDNAME=ESINAM08,PROCOPT=G,KEYLEN=49
SENSEG    NAME=ESINAMES,PARENT=0
PCB       TYPE=DB,DBDNAME=ESINAM09,PROCOPT=G,KEYLEN=49
SENSEG    NAME=ESINAMES,PARENT=0
PCB       TYPE=DB,DBDNAME=ESINAM10,PROCOPT=G,KEYLEN=49
SENSEG    NAME=ESINAMES,PARENT=0
PCB       TYPE=DB,DBDNAME=ESINAM11,PROCOPT=G,KEYLEN=49
SENSEG    NAME=ESINAMES,PARENT=0
PCB       TYPE=DB,DBDNAME=ESINAM12,PROCOPT=G,KEYLEN=49
SENSEG    NAME=ESINAMES,PARENT=0
PCB       TYPE=DB,DBDNAME=ESINAM13,PROCOPT=G,KEYLEN=49
SENSEG    NAME=ESINAMES,PARENT=0
PCB       TYPE=DB,DBDNAME=ESINAM14,PROCOPT=G,KEYLEN=49
SENSEG    NAME=ESINAMES,PARENT=0
PCB       TYPE=DB,DBDNAME=ESINAM15,PROCOPT=G,KEYLEN=49
SENSEG    NAME=ESINAMES,PARENT=0
PCB       TYPE=DB,DBDNAME=ESINAM16,PROCOPT=G,KEYLEN=49
SENSEG    NAME=ESINAMES,PARENT=0
PCB       TYPE=DB,DBDNAME=ESINAM17,PROCOPT=G,KEYLEN=49
SENSEG    NAME=ESINAMES,PARENT=0
PCB       TYPE=DB,DBDNAME=ESINAM18,PROCOPT=G,KEYLEN=49
SENSEG    NAME=ESINAMES,PARENT=0
PCB       TYPE=DB,DBDNAME=ESINAM19,PROCOPT=G,KEYLEN=49
SENSEG    NAME=ESINAMES,PARENT=0
```

```
PCB       TYPE=DB,DBDNAME=ESIIND00,PROCOPT=G,KEYLEN=4
SENSEG    NAME=INDVREC,PARENT=0
PCB       TYPE=DB,DBDNAME=ESIIND01,PROCOPT=G,KEYLEN=4
SENSEG    NAME=INDVREC,PARENT=0
PCB       TYPE=DB,DBDNAME=ESIIND02,PROCOPT=G,KEYLEN=4
SENSEG    NAME=INDVREC,PARENT=0
PCB       TYPE=DB,DBDNAME=ESIIND03,PROCOPT=G,KEYLEN=4
SENSEG    NAME=INDVREC,PARENT=0
PCB       TYPE=DB,DBDNAME=ESIIND04,PROCOPT=G,KEYLEN=4
SENSEG    NAME=INDVREC,PARENT=0
PCB       TYPE=DB,DBDNAME=ESIIND05,PROCOPT=G,KEYLEN=4
SENSEG    NAME=INDVREC,PARENT=0
PCB       TYPE=DB,DBDNAME=ESIIND06,PROCOPT=G,KEYLEN=4
SENSEG    NAME=INDVREC,PARENT=0
PCB       TYPE=DB,DBDNAME=ESIIND07,PROCOPT=G,KEYLEN=4
SENSEG    NAME=INDVREC,PARENT=0
PCB       TYPE=DB,DBDNAME=ESIIND08,PROCOPT=G,KEYLEN=4
SENSEG    NAME=INDVREC,PARENT=0
PCB       TYPE=DB,DBDNAME=ESIIND09,PROCOPT=G,KEYLEN=4
SENSEG    NAME=INDVREC,PARENT=0
PCB       TYPE=DB,DBDNAME=ESIIND10,PROCOPT=G,KEYLEN=4
SENSEG    NAME=INDVREC,PARENT=0
PCB       TYPE=DB,DBDNAME=ESIIND11,PROCOPT=G,KEYLEN=4
SENSEG    NAME=INDVREC,PARENT=0
PCB       TYPE=DB,DBDNAME=ESIIND12,PROCOPT=G,KEYLEN=4
SENSEG    NAME=INDVREC,PARENT=0
PCB       TYPE=DB,DBDNAME=ESIIND13,PROCOPT=G,KEYLEN=4
SENSEG    NAME=INDVREC,PARENT=0
PCB       TYPE=DB,DBDNAME=ESIIND14,PROCOPT=G,KEYLEN=4
SENSEG    NAME=INDVREC,PARENT=0
PCB       TYPE=DB,DBDNAME=ESIIND15,PROCOPT=G,KEYLEN=4
SENSEG    NAME=INDVREC,PARENT=0
PCB       TYPE=DB,DBDNAME=ESIIND16,PROCOPT=G,KEYLEN=4
SENSEG    NAME=INDVREC,PARENT=0
PCB       TYPE=DB,DBDNAME=ESIIND17,PROCOPT=G,KEYLEN=4
SENSEG    NAME=INDVREC,PARENT=0
PCB       TYPE=DB,DBDNAME=ESIIND18,PROCOPT=G,KEYLEN=4
SENSEG    NAME=INDVREC,PARENT=0
PCB       TYPE=DB,DBDNAME=ESIIND19,PROCOPT=G,KEYLEN=4
SENSEG    NAME=INDVREC,PARENT=0

PSBGEN    PSBNAME=PCBSMP2,LANG=COBOL
END
```


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```
IDENTIFICATION DIVISION.
PROGRAM-ID. PCBSMP2.
ENVIRONMENT DIVISION.
DATA DIVISION.
WORKING-STORAGE SECTION.

77  PSB-NAME                      PIC X(8) VALUE 'PCBSMP2 '.
77  FIRST-NAME-DB-PCB             PIC S9(4) COMP VALUE +2.
77  FIRST-INDV-DB-PCB             PIC S9(4) COMP VALUE +22.
77  SUB                           PIC S9(4) COMP.

01  CBLTDLI-CALL-FUNCTIONS.
    05  PCB                       PIC X(4) VALUE 'PCB '.
    05  GU                        PIC X(4) VALUE 'GU  '.
    05  TERM                      PIC X(4) VALUE 'TERM'.

01  WORK-INDIVIDUAL-NAME.
    05  NAME-START                PIC X(08).
    05  NAME-REMAINDER            PIC X(32).

01  NAME-BREAK-TABLE.                                          NOTE. 01
    05  FILLER                    PIC X(10) VALUE 'B       01'.
    05  FILLER                    PIC X(10) VALUE 'C       02'.
    05  FILLER                    PIC X(10) VALUE 'D       03'.
    05  FILLER                    PIC X(10) VALUE 'E       04'.
    05  FILLER                    PIC X(10) VALUE 'F       05'.
    05  FILLER                    PIC X(10) VALUE 'G       06'.
    05  FILLER                    PIC X(10) VALUE 'H       07'.
    05  FILLER                    PIC X(10) VALUE 'I       08'.
    05  FILLER                    PIC X(10) VALUE 'J       09'.
    05  FILLER                    PIC X(10) VALUE 'K       10'.
    05  FILLER                    PIC X(10) VALUE 'L       11'.
    05  FILLER                    PIC X(10) VALUE 'M       12'.
    05  FILLER                    PIC X(10) VALUE 'N       13'.
    05  FILLER                    PIC X(10) VALUE 'O       14'.
    05  FILLER                    PIC X(10) VALUE 'P       15'.
    05  FILLER                    PIC X(10) VALUE 'R       16'.
    05  FILLER                    PIC X(10) VALUE 'T       17'.
    05  FILLER                    PIC X(10) VALUE 'V       18'.
    05  FILLER                    PIC X(10) VALUE 'X       19'.
    05  FILLER                    PIC X(08) VALUE HIGH VALUES.
    05  FILLER                    PIC X(02) VALUE         '20'.

01  NAME-BREAK-TABLE-R REDEFINES NAME-BREAK-TABLE.
    05  NAME-BREAK-ELEMENT OCCURS 20 TIMES.
        10  NAME-BREAK            PIC X(08).
        10  NAME-BREAK-DB-SUFFIX  PIC 9(02).

01  NAMES-RECORD                  PIC X(51).                   NOTE. 02

01  NAME-REC-SSA.                                              NOTE. 03
    05  SEGMENT-NAME              PIC X(8) VALUE 'ESINAMES'.
    05  FILLER                    PIC X(1) VALUE '('.
    05  KEY-FIELD-NAME            PIC X(8) VALUE 'NAMEKEY '.
    05  FILLER                    PIC X(2) VALUE 'GE'.
```


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```
05  NAME-REC-SSA-KEY.
    10  NAME-SSA-KEY-FULL-NAME PIC X(40).
    10  NAME-SSA-KEY-REMAINDER PIC X(09).
05  FILLER                    PIC X(1) VALUE ')'.
```


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```
LINKAGE SECTION.

01  DFHCOMMAREA  COPY COMAESIS.

01  BLLCELLS.
    05  FILLER                          PIC S9(8) COMP.
    05  UIB-PTR                         PIC S9(8) COMP.
    05  PCB-LIST-PTR                    PIC S9(8) COMP.
    05  PCB-PTRS.                                                      NOTE. 04
        10  PCB-PTR OCCURS 41 TIMES PIC S9(8) COMP.

01  DLIUIB.
    05  UIBPCBAL                        PIC S9(8) COMP.
    05  UIBRCODE                        PIC X(2).

01  PCB-LIST-ADDRESSES.
    05  PCB-ADDRESS-PTR OCCURS 41 TIMES PIC S9(8) COMP.

01  PCB-TABLES.
    05  PCB-TABL-DBD-NAME               PIC X(8).
    05  PCB-TABL-SEG-LEVEL              PIC X(2).
    05  PCB-TABL-STATUS-CODE            PIC X(2).
    05  PCB-TABL-PROC-OPT               PIC X(4).
    05  PCB-TABL-FILLER                 PIC S9(5) COMP.
    05  PCB-TABL-SEG-NAME               PIC X(8).
    05  PCB-TABL-LEN-KFB                PIC S9(5) COMP.
    05  PCB-TABL-NBR-SENSEGS            PIC S9(5) COMP.
    05  PCB-TABL-KEY-FEED-BACK          PIC X(256).

01  PCB-NAMES.
    05  PCB-NAME-DBD-NAME               PIC X(8).
    05  PCB-NAME-SEG-LEVEL              PIC X(2).
    05  PCB-NAME-STATUS-CODE            PIC X(2).
    05  PCB-NAME-PROC-OPT               PIC X(4).
    05  PCB-NAME-FILLER                 PIC S9(5) COMP.
    05  PCB-NAME-SEG-NAME               PIC X(8).
    05  PCB-NAME-LEN-KFB                PIC S9(5) COMP.
    05  PCB-NAME-NBR-SENSEGS            PIC S9(5) COMP.
    05  PCB-NAME-KEY-FEED-BACK          PIC X(256).

01  PCB-INDIVIDUAL.
    05  PCB-INDV-DBD-NAME               PIC X(8).
    05  PCB-INDV-SEG-LEVEL              PIC X(2).
    05  PCB-INDV-STATUS-CODE            PIC X(2).
    05  PCB-INDV-PROC-OPT               PIC X(4).
    05  PCB-INDV-FILLER                 PIC S9(5) COMP.
    05  PCB-INDV-SEG-NAME               PIC X(8).
    05  PCB-INDV-LEN-KFB                PIC S9(5) COMP.
    05  PCB-INDV-NBR-SENSEGS            PIC S9(5) COMP.
    05  PCB-INDV-KEY-FEED-BACK          PIC X(256).
```

```
PRODECURE DIVISION.
*                                !
*       Initializing code.
*       Present first screen and get input.
*                                !
*                                V
PERFORM 1000-PROCESS-SCREEN.
*                                !
*       Process subsequent input.
*                                !
*                                V
1000-PROCESS-SCREEN.
*                                !
*     Get map,  etc.
*                                !
*                                V
   CALL 'CBLTDLI' USING PCB                                          NOTE. 05
                        PSB-NAME
                        UIB-PTR.
   IF UIBRCODE NOT = LOW-VALUES
*         Process error message.
          GO TO 9000-SEND-MAP.
   SERVICE RELOAD DLIUIB.
   MOVE UIBPCBAL TO PCB-LIST-PTR.
   SERVICE RELOAD PCB-LIST.
   MOVE PCB-LIST-ADDRESSES TO PCB-POINTERS.
   SERVICE RELOAD PCB-TABLES.
   PERFORM 1100-FIND-DB-SUFFIX                                       NOTE. 06
       VARYING SUB FROM 1 BY 1
       UNTIL NAME-START < NAME-BREAK (SUB).
   COMPUTE PCB-REF = FIRST-INVD-DB-PCB +                             NOTE. 07
                     NAME-BREAK-DB-SUFFIX (SUB).
   MOVE PCB-PTR (PCB-REF) TO                                         NOTE. 08
        PCB-PTR (FIRST-NAME-DB-PCB).
   SERVICE RELOAD PCB-INDVIDUAL.
   MOVE WORK-INDIVIDUAL-NAME TO NAME-SSA-KEY-FULL-NAME.
   MOVE LOW VALUES TO NAME-SSA-KEY-REMAINDER.
   CALL 'CBLTDLI' USING GU                                           NOTE. 09
                        PCB-NAMES
                        NAMES-RECORD
                        NAME-REC-SSA.
*                                !
*      Check for successful call and process record.
*      Send Map.                 !
*                                !
*                                V
   CALL 'CBLTDLI' USING TERM.

1100-FIND-DB-SUFIX.
*
*     NULL PARAGRAPH (NO PROCESSING, JUST SUPPORTS THE
*                     PERFORM LOOP.)
*

9000-SEND-MAP.
```


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NOTE 01: NAME-BREAK-TABLE provides the mechanism for partitioning the National Individual Names Database into 20 physical databases. A comparison is made on the first eight characters of the FULL-NAME and the table values. When the subject name becomes less than the table value the suffix to the database is obtained. This suffix is used to address the correct PCB (Notes 6, 7 & 8). This table should be a COPYLIB member for AESIS.

The table as presented partitions the A-Z alphabet not the Arabic alphabet. In order to finalize the table breakpoints in Arabic, a survey of existing names will be required. Eight positions are provided in the NAME-BREAK fields since many Arabic full names use the same first name so at least a part of the second name is required to establish appropriate break points.

NOTE 02: NAMES-RECORD is the data area for the name record from the National Individual Names Database. It will be a COPYLIB member.

NOTE 03: NAME-RECORD-SSA is used to retrieve the record greater than or equal to the provided NAME-REC-SSA-KEY.

NOTE 04: PCB-PTRS contains the addresses of the 41 PCBs referenced in the PSB. The program (at Note 8) sets the second PCB to be the PCB corresponding to the provided name. If the National Individuals Database would need to be addressed after a specific SIN is provided, PCB-PTR (3) would have to be set to the correct individual Database PCB from the range of PCB-PTR (22) to PCB-PTR (41).

NOTE 05: The PSB is scheduled.

NOTE 06: A PERFORM loop is used to identify the correct NAME-BREAK.

NOTE 07: The PCB of interest is calculated based on the NAME-BREAK.

NOTE 08: The PCB-PTR of interest is moved to the second PCB-PTR so that the single 01 level for PCB-NAMES is correctly addressed.

NOTE 09: A get unique call is issued to retrieve the NAMES-RECORD.

INPUT DOCUMENT DESCRIPTION

System: Registration

Subsystem: Individual Registration

Function: Data Entry

Document ID: ERKD010

Document Name: Individual Registration Application Form

Description:

The Individual Registration Application Form is used to collect characteristic and identifying data for individuals that apply for registration.

Format Type: _____ Report

__X__ Input Document

_____ Screen

_____ Other _____

Users: Registeration Data Entry Clerks and Auditors

Input Frequency: Unknown

Input Volume: Unknown

Comments: The Data Entry Clerk prepares the form for data entry by encoding designated fields. After entry, the assigned Registration Transaction Number is written on the form for later reference by the Auditor.

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INPUT DOCUMENT DESCRIPTION FORM (Continued)

DATA CONTENT

Reference Number	Data Name	Notes
1	FULL-NAME	
2	BIRTH-LOCATION-CODE	
3	DATE-OF-BIRTH	
4	SEX-INDICATOR	
5	FAMILY-NAME	
6	BIRTH-POLICE-STATION-CODE	
7	MOTHERS-NAME	
8	REGISTRATION-REGION-CODE	
9	REGISTRATION-LOCAL-OFFICE-CODE	
10	REGISTRATION-LOCAL-UNIT-CODE	
11	POLICE-ID-TYPE	
12	POLICE-ID-GOVERNORATE-CODE	
13	POLICE-ID-STATION-CODE	
14	POLICE-ID-SERIAL-NUMBER	
15	ADDRESS-BUILDING-NUMBER	
16	ADDRESS-STREET-NAME	
17	ADDRESS-POLICE-STATION-CODE	
18	ADDRESS-POLICE-STATION-UNIT-CODE	
19	ADDRESS-GOVERNORATE-CODE	
20	ENTRY-SIN	(NOT ENTERED)
21	ENTRY-DATE	(NOT ENTERED)
22	AUDIT-SIN	(NOT ENTERED)
23	AUDIT-DATE	(NOT ENTERED)

AUTOMATED EGYPTIAN SOCIAL INSURANCE SYSTEM

INDIVIDUAL REGISTRATION APPLICATION FORM

NAME: _____ 1 BIRTH LOCA: _____ 2

DATE OF BIRTH: _____ 3 SEX CODE: ___ 4 _____ FAMIL _____ 5

BIRTH POLICE ST: _____ 6

MOTHERS _____ 7

==========REGIS==========

REGION _____ 8 OFFICE _____ 9

UNIT _____ 10

==========POLICE ID==========

TYP _____ 11 GOVERN _____ 12 STATION _____ 13

SERI _____ 14

==========CURRENT ADDRESS==========

NUMBER.... _____ 15 STRE _____ 16 POLICE UNIT _____ 17

POLICE S _____ 18 GOVERN _____ 19

==========MISC. DATA==========

PREPARED BY _____ 20 DATE _____ 21

APPROVED BY _____ 22 DATE _____ 23

INPUT DOCUMENT DESCRIPTION FORM

System: Registration

Page of

Subsystem: Individual Registration

Date f.c.:

Function: Data Entry

Date l.u.:

Document ID: ERKD020

Document Name: Individual Registration Change Form

Description:

The Individual Registration Change Form is used to collect changes to an individuals registration data.

Format Type: _____ Report

__X__ Input Document

_____ Screen

_____ Other _____

Users: Registeration Data Entry Clerks and Auditors

Input Frequency: Unknown

Input Volume: Unknown

Comments: The Data Entry Clerk prepares the form for data entry by encoding designated fields. Only changed fields and required fields are filled in on the form. The following fields are used to verify that the correct SIN was provided: FULL-NAME, BIRTH-LOCATION-CODE, DATE-OF-BIRTH, SEX-INDICATOR.

INPUT DOCUMENT DESCRIPTION FORM (Continued)

DATA CONTENT

Reference Number	Data Name	Notes
1	INDIVIDUAL-SIN	REQUIRED
2	FULL-NAME	REQUIRED
3	BIRTH-LOCATION-CODE	REQUIRED
4	DATE-OF-BIRTH	REQUIRED
5	SEX-INDICATOR	REQUIRED
6	FAMILY-NAME	REQUIRED
7	BIRTH-POLICE-STATION-CODE	
8	MOTHERS-NAME	
9	REGISTRATION-REGION-CODE	
10	REGISTRATION-LOCAL-OFFICE-CODE	
11	REGISTRATION-LOCAL-UNIT-CODE	
12	POLICE-ID-TYPE	
13	POLICE-ID-GOVERNORATE-CODE	
14	POLICE-ID-STATION-CODE	
15	POLICE-ID-SERIAL-NUMBER	
16	ADDRESS-BUILDING-NUMBER	
17	ADDRESS-STREET-NAME	
18	ADDRESS-POLICE-STATION-CODE	
19	ADDRESS-POLICE-STATION-UNIT-CODE	
20	ADDRESS-GOVERNORATE-CODE	
21	ENTRY-SIN	(NOT ENTERED)
22	ENTRY-DATE	(NOT ENTERED)
23	AUDIT-SIN	(NOT ENTERED)
24	AUDIT-DATE	(NOT ENTERED)

AUTOMATED EGYPTIAN SOCIAL INSURANCE SYSTEM

INDIVIDUAL REGISTRATION CHANGE FORM

SOCIAL INSURANCE NUMBER 1 _____

NAME 2 _____ BIRTH LOCA 3 _____

DATE OF BIRT 4 _____ SEX CODE 5 _____ FAMIL 6 _____

BIRTH POLICE ST 7 _____

MOTHERS 8 _____

==========REGISTRATION==========

REGION 9 _____ OFFICE 10 _____

UNIT 11 _____

==========POLICE ID==========

TYPE 12 _____ GOVERN 13 _____ STATION 14 _____

SERI 15 _____

==========CURRENT ADDRESS==========

NUMBER .... 16 _____ STRE 17 _____ POLICE UNIT 18 ___

POLICE ST 19 _____ GOVERN 20 _____

==========MISC. DATA==========

PREPARED BY 21 _____ DATE 22 _____

APPROVED BY 23 _____ DATE 24 _____

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INPUT DOCUMENT DESCRIPTION FORM

System: Registration | Page of

Subsystem: Individual Registration | Date f.c.:

Function: Data Entry | Date l.u.:

Document ID: ERKD030 | Phase:

Document Name: Individual Address Change Form

Description:

The Individual Address Change Form is used to submit changes in a registered individual's current address.

Format Type: _____ Report

__X__ Input Document

_____ Screen

_____ Other _____

Users: Registeration Data Entry Clerks and Auditors

Input Frequency: Unknown

Input Volume: Unknown

Comments: Only current address fields and required fields are filled in on the form. The following fields are used to verify that the correct SIN was provided: FULL-NAME, BIRTH-LOCATION-CODE, DATE-OF-BIRTH, SEX-INDICATOR.

INPUT DOCUMENT DESCRIPTION FORM (Continued)

DATA CONTENT

Reference Number	Data Name	Notes
1	INDIVIDUAL-SIN	
2	FULL-NAME	(NOT ENTERED)
3	BIRTH-LOCATION-CODE	(NOT ENTERED)
4	DATE-OF-BIRTH	(NOT ENTERED)
5	SEX-INDICATOR	(NOT ENTERED)
6	OLD-ADDRESS-BUILDING-NUMBER	(NOT ENTERED)
7	OLD-ADDRESS-STREET-NAME	(NOT ENTERED)
8	OLD-ADDRESS-POLICE-STATION-CODE	(NOT ENTERED)
9	OLD-ADDRESS-POLICE-UNIT-CODE	(NOT ENTERED)
10	OLD-ADDRESS-GOVERNORATE-CODE	(NOT ENTERED)
11	ADDRESS-BUILDING-NUMBER	
12	ADDRESS-STREET-NAME	
13	ADDRESS-POLICE-STATION-CODE	
14	ADDRESS-POLICE-UNIT-CODE	
15	ADDRESS-GOVERNORATE-CODE	
16	ENTRY-SIN	(NOT ENTERED)
17	ENTRY-DATE	(NOT ENTERED)
18	AUDIT-SIN	(NOT ENTERED)
19	AUDIT-DATE	(NOT ENTERED)

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AUTOMATED EGYPTIAN SOCIAL INSURANCE SYSTEM

INDIVIDUAL ADDRESS CHANGE FORM

SOCIAL INSURANCE NBR 1 _____

NAME 2 _____ BIRTH LOCA 3 _____

DATE OF BIRT 4 _____ SEX CODE 5 _____

==========OLD ADDRESS==========

NUMBER .... 6 _____ STR . 7 _____ OLD POLICE U 8 ____

O POLICE 9 _____ GOVER. 10 _____

==========CURRENT ADDRESS==========

NUMBER .... 11 _____ STRE 12 _____ POLICE UNIT 13 _____

POLICE S 14 _____ GOVERN 15 _____

PREPARED BY 16 _____ DATE 17 _____

APPROVED BY 18 _____ DATE 19 _____

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INPUT DOCUMENT DESCRIPTION FORM

System: Registration — Page of

Subsystem: Individual Registration — Date f.c.:

Function: Data Entry — Date l.u.:

Document ID: ERKD040 — Phase:

Document Name: The Individual ID Card Reissue Form

Description:

The Individual ID Card Reissue Form is used to submit request for new ID card for a registered individual.

Format Type: _____ Report

__X__ Input Document

_____ Screen

_____ Other _____

Users: Registeration Data Entry Clerks and Auditors

Input Frequency: Unknown

Input Volume: Unknown

Comments: The following fields are used to verify that the correct SIN was provided: FULL-NAME, BIRTH-LOCATION-CODE, DATE-OF-BIRTH, SEX-INDICATOR.

INPUT DOCUMENT DESCRIPTION FORM (Continued)

DATA CONTENT

Reference Number	Data Name	Notes
1	INDIVIDUAL-SIN	
2	FULL-NAME	(NOT ENTERED)
3	BIRTH-LOCATION-CODE	(NOT ENTERED)
4	DATE-OF-BIRTH	(NOT ENTERED)
5	SEX-INDICATOR	(NOT ENTERED)
6	REISSUE-REASON-CODE	

AUTOMATED EGYPTIAN SOCIAL INSURANCE SYSTEM

INDIVIDUAL ID CARD REISSUE FORM

SOCIAL INSURANCE NUMBER 1 _____

NAME 2 _____ BIRTH LOCA 3 _____

DATE OF BIRT 4 _____ SEX CODE 5 _____

REISSUE REASON 6 _____

SCREEN DESCRIPTION

System: Registration

Date f.c.: 8/11/84

Subsystem: Individual Registration

Date l.u.: 8/16/84

Screen ID: ERKS010

Phase: 2

Screen Name: Original Application Data Entry

Author: SWB

Description:

This screen conforms to the Individual Registration Application Form. ERKS010 is used to capture the data necessary to establish an individual applicant in the AESIS National Individuals Database (NIDB) and the National Names Database (NNDB). Data entry is cursor controlled. Data inputted and found to be in error will be highlighted and the user will be prompted to make corrections thru a message line display.

Users: Registration Data Entry Clerks

Type: Document Entry

Document Name: Individual Registration Application Form

Hard Copy: Yes

Comments: Applicable program function key (PF) key identification and usage will be displayed at the base of the screen. Both the operator instruction message line and the PF key display will be protected lines and not available for operator input.

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SCREEN DESCRIPTION FORM (Continued)

DATA CONTENT

Reference Number	Data Name		Notes
1	K010CD	X(10)	DISPLAY ONLY
2	K010RN	9(9)	DISPLAY FIELD
3	K010NA	X(40)	INPUT FIELD
4	K010BL	9(2)	INPUT FIELD
5	K010BLD	X(15)	DISPLAY FIELD
6	K010DOB	X(10)	INPUT FIELD
7	K010SEX	9(1)	INPUT FIELD
8	K010SXD	X(6)	DISPLAY FIELD
9	K010FAM	X(12)	INPUT FIELD
10	K010BPS	9(2)	INPUT FIELD
11	K010BPD	X(20)	DISPLAY FIELD
12	K010RC1	9(3)	INPUT FIELD
13	K010RD1	X(15)	DISPLAY FIELD
14	K010RC2	9(3)	INPUT FIELD
15	K010RD2	X(20)	DISPLAY FIELD
16	K010RC3	9(3)	INPUT FIELD
17	K010RD3	X(25)	DISPLAY FIELD
18	K010ID1	9(1)	INPUT FIELD
19	K010ID2	X(8)	DISPLAY FIELD
20	K010ID3	9(2)	INPUT FIELD
21	K010ID4	X(15)	DISPLAY FIELD
22	K010ID5	9(2)	INPUT FIELD
23	K010ID6	X(20)	DISPLAY FIELD
24	K010ID7	9(6)	INPUT FIELD
25	K010AD1	X(4)	INPUT FIELD
26	K010AD2	X(30)	INPUT FIELD
27	K010AD3	9(2)	INPUT FIELD
28	K010AD4	X(15)	DISPLAY FIELD
29	K010AD5	9(2)	INPUT FIELD
30	K010AD6	X(20)	DISPLAY FIELD
31	K010AD7	9(2)	INPUT FIELD
32	K010AD8	X(25)	DISPLAY FIELD
33	K010NC	X(2)	INPUT FIELD
34	K010ND	X(20)	DISPLAY FIELD
35	K010SEN	X(1)	INPUT FIELD
36	K010SOC	X(2)	INPUT FIELD
37	K010SOD	X(14)	DISPLAY FIELD
38	K010COV	X(1)	DISPLAY FIELD
39	K010BEN	X(1)	DISPLAY FIELD
40	K010LAW	9(1)	DISPLAY FIELD
41	K010IDC	X(1)	DISPLAY FIELD
42	K010INS	9(1)	INPUT FIELD
43	K010IND	X(15)	DISPLAY FIELD
44	K010APR	X(9)	DISPLAY FIELD
45	K010DAD	X(10)	DISPLAY FIELD

SCREEN DESCRIPTION FORM (Continued)

DATA CONTENT

Reference Number	Data Name		Notes
46	K010DLA	X(10)	DISPLAY FIELD
47	K010ATC	9(1)	INPUT FIELD
48	K010ATD	X(10)	DISPLAY FIELD
49	K010MS1	X(79)	DISPLAY FIELD
50	K010MS2	X(79)	DISPLAY FIELD
51	K010MS3	X(79)	DISPLAY FIELD

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SCREEN LAYOUT

```
 ERKS010        AUTOMATED EGYPTIAN SOCIAL INSURANCE SYSTEM          [            ]
                      ORIGINAL APPLICATION ENTRY
REGISTRATION NBR[          ]
NAME[                                          ]  BIRTH.LOCA[   ][                ]
DATE.OF.BIRT[            ] SEX.CODE[ ][       ]    FAMIL      [              ]
BIRTH.POLICE.ST[   ][                        ]
     ========================  REGIS  ==========================
REGIO[    ][                 ] OFFIC[    ][                      ]
UNIT [    ][                          ]
     ==================== POLICE.ID......... ===================
TYP[ ][          ] GOVERN[   ][                 ] STATION.[   ][                  ]
SERI[       ]     MOTHERS[                                    ]
     ==================== CURRENT ADDRES ========================
NUMBER....[     ]STRE[                                    ]GOVERN[   ][                ]
POLICE.S[   ][                        ]   POLICE_UNIT[   ][                          ]
     ==================== MISC. DATA      ========================
NATIONL[   ][                        ]SENSITIVE.[ ]SOURCE.OF.DAT[   ][                ]
COVERAGE.....[ ]BENEFITS.........[ ]APPLICABLE.LAW...[ ]NUMBER.OF.ID.CARDS..[ ]
INDIVIDUAL.STAT[ ][                  ]  APPROV[          ] DATE.ADDED..[            ]
ACTION.TYPE..[ ][          ]                            DATE.LAST.ACTIO[            ]

[                                                                                    ]
[                                                                                    ]
[                                                                                    ]
```

SCREEN DESCRIPTION

System: Registration

Date f.c.: 8/11/84

Subsystem: Individual Registration

Date l.u.:

Screen ID: ERKS020

Phase: 2

Screen Name: Modify Individual Record

Author: SWB

Description:

This screen will display Part I and Part II Individual Data when the user enters the desired Social Insurance Number (SIN). The user will have the ability to enter initial data or key over any existing data fields not protected on the screen. Data Entry will be cursor controlled and any logical errors will be highlighted.

Users: Registration Data Entry Clerks

Type: Document Entry

Document Name: Individual Registration Change Form

Hard Copy:

Comments: Applicable program function key (PF) key identification and usage will be displayed at the base of the screen on one line. Operator messages will also be displayed on a single line. Both of these display lines will be screen protected.

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SCREEN DESCRIPTION FORM (Continued)

DATA CONTENT

Reference Number	Data Name		Notes
1	K020CD	X(10)	DISPLAY ONLY
2	K020SIN	9(9)	INPUT FIELD
3	K020RN	9(9)	DISPLAY FIELD
4	K020NA	X(40)	INPUT FIELD
5	K020BL	9(2)	INPUT FIELD
6	K020BLD	X(15)	DISPLAY FIELD
7	K020DOB	X(10)	INPUT FIELD
8	K020SEX	9(1)	INPUT FIELD
9	K020SXD	X(6)	DISPLAY FIELD
10	K020FAM	X(12)	INPUT FIELD
11	K020BPS	9(2)	INPUT FIELD
12	K020BPD	X(20)	DISPLAY FIELD
13	K020RC1	9(3)	INPUT FIELD
14	K020RD1	X(15)	DISPLAY FIELD
15	K020RC2	9(3)	INPUT FIELD
16	K020RD2	X(20)	DISPLAY FIELD
17	K020RC3	9(3)	INPUT FIELD
18	K020RD3	X(25)	DISPLAY FIELD
19	K020ID1	9(1)	INPUT FIELD
20	K020ID2	X(8)	DISPLAY FIELD
21	K020ID3	9(2)	INPUT FIELD
22	K020ID4	X(15)	DISPLAY FIELD
23	K020ID5	9(2)	INPUT FIELD
24	K020ID6	X(20)	DISPLAY FIELD
25	K020ID7	9(6)	INPUT FIELD
26	K020MOT	X(30)	INPUT FIELD
27	K020AD1	X(4)	INPUT FIELD
28	K020AD2	X(30)	INPUT FIELD
29	K020AD3	9(2)	INPUT FIELD
30	K020AD4	X(15)	DISPLAY FIELD
31	K020AD5	9(2)	INPUT FIELD
32	K020AD6	X(20)	DISPLAY FIELD
33	K020AD7	9(2)	INPUT FIELD
34	K020AD8	X(25)	DISPLAY FIELD
35	K020NC	X(2)	INPUT FIELD
36	K020ND	X(20)	DISPLAY FIELD
37	K020SEN	X(1)	INPUT FIELD
38	K020SOC	X(2)	INPUT FIELD
39	K020SOD	X(14)	DISPLAY FIELD
40	K020COV	X(1)	DISPLAY FIELD
41	K020BEN	X(1)	DISPLAY FIELD
42	K020LAW	9(1)	DISPLAY FIELD
43	K020IDC	X(1)	DISPLAY FIELD
44	K020INS	9(1)	INPUT FIELD
45	K020IND	X(15)	DISPLAY FIELD

SCREEN DESCRIPTION FORM (Continued)

DATA CONTENT

Reference Number	Data Name		Notes
46	K020APR	X(9)	DISPLAY FIELD
47	K020DAD	X(10)	DISPLAY FIELD
48	K020DLA	X(10)	DISPLAY FIELD
49	K020ATC	9(1)	INPUT FIELD
50	K020ATD	X(10)	DISPLAY FIELD
51	K020MS1	X(79)	DISPLAY FIELD
52	K020MS2	X(79)	DISPLAY FIELD
53	K020MS3	X(79)	DISPLAY FIELD

SCREEN LAYOUT

```
 ERKS020        AUTOMATED EGYPTIAN SOCIAL INSURANCE SYSTEM          [            ]
                          MODIFY INDIVIDUAL RECORDS
SIN NBR[          ]
NAME[                                                  REGISTRATION NBR[          ]
DATE.OF.BIRT[           ] SEX.CODE[ ][       ]   BIRTH.LOCA[   ][                 ]
BIRTH.POLICE.ST[   ][                          ]   FAMIL     [              ]
      ======================  REGIS  ==========================
REGIO[    ][                ] OFFIC[    ][                      ]
UNIT [    ][                          ]
      ==================== POLICE.ID......... ==================
TYP[ ][         ] GOVERN[   ][                ] STATION.[   ][                    ]
SERI[       ]     MOTHERS[                                  ]
      ==================== CURRENT ADDRES ======================
NUMBER....[     ]STRE[                                  ]GOVERN[   ][                ]
POLICE.S[   ][                      ]   POLICE_UNIT[   ][                          ]
      ==================== MISC. DATA     ======================
NATIONL[   ][                     ]SENSITIVE.[ ]SOURCE.OF.DAT[   ][                ]
COVERAGE.....[ ]BENEFITS.........[ ]APPLICABLE.LAW...[ ]NUMBER.OF.ID.CARDS..[ ]
INDIVIDUAL.STAT[ ][                ]  APPROV[          ] DATE.ADDED..[            ]
ACTION.TYPE..[ ][           ]                          DATE.LAST.ACTIO[           ]

[                                                                                  ]
[                                                                                  ]
[                                                                                  ]
```

SCREEN DESCRIPTION

System: Registration

Date f.c.: 8/11/84

Subsystem: Individual Registration

Date l.u.:

Screen ID: ERKS030

Phase: 2

Screen Name: Individual Change of Address

Author: SWB

Description:

This screen will display Parts I and II Individual Data when the operator enters the desired Social Insurance Number (SIN). All displayed data fields will be screen protected, except address related data fields. Input will be cursor controlled, and detected errors will be highlighted.

Users: SIO

Type: Input

Document Name: Individual Address Change Form

Hard Copy:

Comments: Applicable program function key (PF) key identification and usage will be displayed at the base of the screen on one line. Operator messages will also be displayed on a single line. Both of these display lines will be screen protected.

SCREEN DESCRIPTION FORM (Continued)

DATA CONTENT

Reference Number	Data Name		Notes
1	K030CD	X(10)	DISPLAY ONLY
2	K030SIN	9(9)	INPUT FIELD
3	K030RN	9(9)	DISPLAY FIELD
4	K030NA	X(40)	INPUT FIELD
5	K030BL	9(2)	INPUT FIELD
6	K030BLD	X(15)	DISPLAY FIELD
7	K030DOB	X(10)	INPUT FIELD
8	K030SEX	9(1)	INPUT FIELD
9	K030SXD	X(6)	DISPLAY FIELD
10	K030FAM	X(12)	INPUT FIELD
11	K030BPS	9(2)	INPUT FIELD
12	K030BPD	X(20)	DISPLAY FIELD
13	K030RC1	9(3)	INPUT FIELD
14	K030RD1	X(15)	DISPLAY FIELD
15	K030RC2	9(3)	INPUT FIELD
16	K030RD2	X(20)	DISPLAY FIELD
17	K030RC3	9(3)	INPUT FIELD
18	K030RD3	X(25)	DISPLAY FIELD
19	K030ID1	9(1)	INPUT FIELD
20	K030ID2	X(8)	DISPLAY FIELD
21	K030ID3	9(2)	INPUT FIELD
22	K030ID4	X(15)	DISPLAY FIELD
23	K030ID5	9(2)	INPUT FIELD
24	K030ID6	X(20)	DISPLAY FIELD
25	K030ID7	9(6)	INPUT FIELD
26	K030MOT	X(30)	INPUT FIELD
27	K030AD1	X(4)	INPUT FIELD
28	K030AD2	X(30)	INPUT FIELD
29	K030AD3	9(2)	INPUT FIELD
30	K030AD4	X(15)	DISPLAY FIELD
31	K030AD5	9(2)	INPUT FIELD
32	K030AD6	X(20)	DISPLAY FIELD
33	K030AD7	9(2)	INPUT FIELD
34	K030AD8	X(25)	DISPLAY FIELD
35	K030NC	X(2)	INPUT FIELD
36	K030ND	X(20)	DISPLAY FIELD
37	K030SEN	X(1)	INPUT FIELD
38	K030SOC	X(2)	INPUT FIELD
39	K030SOD	X(14)	DISPLAY FIELD
40	K030COV	X(1)	DISPLAY FIELD
41	K030BEN	X(1)	DISPLAY FIELD
42	K030LAW	9(1)	DISPLAY FIELD
43	K030IDC	X(1)	DISPLAY FIELD
44	K030INS	9(1)	INPUT FIELD
45	K030IND	X(15)	DISPLAY FIELD

SCREEN DESCRIPTION FORM (Continued)

DATA CONTENT

Reference Number	Data Name		Notes
46	K030APR	X(9)	DISPLAY FIELD
47	K030DAD	X(10)	DISPLAY FIELD
48	K030DLA	X(10)	DISPLAY FIELD
49	K030ATC	9(1)	INPUT FIELD
50	K030ATD	X(10)	DISPLAY FIELD
51	K030MS1	X(79)	DISPLAY FIELD
52	K030MS2	X(79)	DISPLAY FIELD
53	K030MS3	X(79)	DISPLAY FIELD

SCREEN LAYOUT

```
 ERKS030        AUTOMATED EGYPTIAN SOCIAL INSURANCE SYSTEM          [            ]
                                CHANGE ADDRESS
SIN NBR[          ]                                REGISTRATION NBR[          ]
NAME[                                            ]  BIRTH.LOCA[   ][                ]
DATE.OF.BIRT[           ] SEX.CODE[ ][       ]     FAMIL     [              ]
BIRTH.POLICE.ST[  ][                          ]
     ======================  REGIS  ==========================
REGIO[    ][                ] OFFIC[    ][                    ]
UNIT [    ][                          ]
     ==================== POLICE.ID......... ==================
TYP[  ][         ] GOVERN[   ][                ] STATION.[   ][                    ]
SERI[       ]     MOTHERS[                                   ]
     ==================== CURRENT ADDRES ======================
NUMBER....[     ]STRE[                                  ]GOVERN[   ][                ]
POLICE.S[   ][                      ]   POLICE UNIT[   ][                            ]
     ==================== MISC. DATA     ========================
NATIONL[   ][                      ]SENSITIVE.[ ]SOURCE.OF.DAT[   ][                ]
COVERAGE.....[ ]BENEFITS.........[ ]APPLICABLE.LAW...[ ]NUMBER.OF.ID.CARDS..[ ]
INDIVIDUAL.STAT[ ][                ]  APPROV[          ] DATE.ADDED..[           ]
ACTION.TYPE..[ ][           ]                          DATE.LAST.ACTIO[           ]

[                                                                                  ]
[                                                                                  ]
[                                                                                  ]
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SCREEN DESCRIPTION

System: Registration

Date f.c.: 8/11/84

Subsystem: Individual Registration

Date l.u.:

Screen ID: ERKS040

Phase: 2

Screen Name: ID Reissue Request

Author: SWB

Description:

This screen will display Parts I and II Individual Data when the operator enters the desired Social Insurance Number (SIN) for operator validation.

Users: Registration (Data Entry)

Type: Other (Verification Validation and Individual Selection)

Document Name: Individual ID Card Reissue Form

Hard Copy:

Comments: Applicable program function key (PF) key identification and usage will be displayed at the base of the screen on one line. Operator messages will also be displayed on a single line. Both of these display lines will be screen protected.

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SCREEN DESCRIPTION FORM (Continued)

DATA CONTENT

Reference Number	Data Name		Notes
1	K040CD	X(10)	DISPLAY ONLY
2	K040SIN	9(9)	INPUT FIELD
3	K040RN	9(9)	DISPLAY FIELD
4	K040NA	X(40)	INPUT FIELD
5	K040BL	9(2)	INPUT FIELD
6	K040BLD	X(15)	DISPLAY FIELD
7	K040DOB	X(10)	INPUT FIELD
8	K040SEX	9(1)	INPUT FIELD
9	K040SXD	X(6)	DISPLAY FIELD
10	K040FAM	X(12)	INPUT FIELD
11	K040BPS	9(2)	INPUT FIELD
12	K040BPD	X(20)	DISPLAY FIELD
13	K040RC1	9(3)	INPUT FIELD
14	K040RD1	X(15)	DISPLAY FIELD
15	K040RC2	9(3)	INPUT FIELD
16	K040RD2	X(20)	DISPLAY FIELD
17	K040RC3	9(3)	INPUT FIELD
18	K040RD3	X(25)	DISPLAY FIELD
19	K040ID1	9(1)	INPUT FIELD
20	K040ID2	X(8)	DISPLAY FIELD
21	K040ID3	9(2)	INPUT FIELD
22	K040ID4	X(15)	DISPLAY FIELD
23	K040ID5	9(2)	INPUT FIELD
24	K040ID6	X(20)	DISPLAY FIELD
25	K040ID7	9(6)	INPUT FIELD
26	K040MOT	X(30)	INPUT FIELD
27	K040AD1	X(4)	INPUT FIELD
28	K040AD2	X(30)	INPUT FIELD
29	K040AD3	9(2)	INPUT FIELD
30	K040AD4	X(15)	DISPLAY FIELD
31	K040AD5	9(2)	INPUT FIELD
32	K040AD6	X(20)	DISPLAY FIELD
33	K040AD7	9(2)	INPUT FIELD
34	K040AD8	X(25)	DISPLAY FIELD
35	K040NC	X(2)	INPUT FIELD
36	K040ND	X(20)	DISPLAY FIELD
37	K040SEN	X(1)	INPUT FIELD
38	K040SOC	X(2)	INPUT FIELD
39	K040SOD	X(14)	DISPLAY FIELD
40	K040COV	X(1)	DISPLAY FIELD
41	K040BEN	X(1)	DISPLAY FIELD
42	K040LAW	9(1)	DISPLAY FIELD
43	K040IDC	X(1)	DISPLAY FIELD
44	K040INS	9(1)	INPUT FIELD
45	K040IND	X(15)	DISPLAY FIELD

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SCREEN DESCRIPTION FORM (Continued)

DATA CONTENT

Reference Number	Data Name		Notes
46	K040APR	X(9)	DISPLAY FIELD
47	K040DAD	X(10)	DISPLAY FIELD
48	K040DLA	X(10)	DISPLAY FIELD
49	K040ATC	9(1)	INPUT FIELD
50	K040ATD	X(10)	DISPLAY FIELD
51	K040MS1	X(79)	DISPLAY FIELD
52	K040MS2	X(79)	DISPLAY FIELD
53	K040MS3	X(79)	DISPLAY FIELD

SCREEN LAYOUT

```
 ERKS040          AUTOMATED EGYPTIAN SOCIAL INSURANCE SYSTEM          [              ]
                                REISSUE REQUEST
SIN NBR[          ]                                   REGISTRATION NBR[           ]
NAME[                                                 ]  BIRTH.LOCA[   ][                ]
DATE.OF.BIRT[            ] SEX.CODE[ ][        ]      FAMIL     [              ]
BIRTH.POLICE.ST[   ][                          ]
     ========================  REGIS  ==========================
REGIO[    ][                  ] OFFIC[    ][                        ]
UNIT [    ][                            ]
     ==================== POLICE.ID......... ===================
TYP[ ][          ] GOVERN[   ][                  ] STATION.[   ][                        ]
SER[[       ]      MOTHERS[                                    ]
     ==================== CURRENT ADDRES ========================
NUMBER....[     ]STRE[                                  ]GOVERN[   ][                    ]
POLICE.S[   ][                        ]   POLICE UNIT[   ][                            ]
     ==================== MISC. DATA      ========================
NATIONL[   ][                          ]SENSITIVE.[ ]SOURCE.OF.DAT[   ][                ]
COVERAGE.....[ ]BENEFITS.........[ ]APPLICABLE.LAW...[ ]NUMBER.OF.ID.CARDS..[ ]
INDIVIDUAL.STAT[ ][                    ]  APPROV[          ] DATE.ADDED..[             ]
ACTION.TYPE..[ ][            ]                            DATE.LAST.ACTIO[            ]

[
[                                                                                      ]
[                                                                                      ]
                                                                                       ]
```

SCREEN DESCRIPTION

System: Registration

Date f.c.: 8/11/84

Subsystem: Individual Registration

Date l.u.:

Screen ID: ERKS050

Phase: 2

Screen Name: Individual Registration Transaction Modification

Author: SWB

Description:

This screen will display Parts I and II Individual Data from the Individuals Registration Transaction Database (RTDB) when the user enters the desired Registration Transaction Number. With the exception of screen protected data fields all data items may be modified or initially inputted. Data Entry will be cursor controlled and logical input errors will be highlighted.

Users: Registration (Data Entry)

Type: Document Entry

Document Name: As applicable

Hard Copy:

Comments: Applicable program function key (PF) key identification and usage will be displayed at the base of the screen on one line. Operator messages will also be displayed on a single line. Both of these display lines will be screen protected.

316

SCREEN DESCRIPTION FORM (Continued)

DATA CONTENT

Reference Number	Data Name		Notes
1	K050CD	X(10)	DISPLAY ONLY
2	K050RN	9(9)	INPUT FIELD
3	K050SIN	9(9)	DISPLAY FIELD
4	K050NA	X(40)	INPUT FIELD
5	K050BL	9(2)	INPUT FIELD
6	K050BLD	X(15)	DISPLAY FIELD
7	K050DOB	X(10)	INPUT FIELD
8	K050SEX	9(1)	INPUT FIELD
9	K050SXD	X(6)	DISPLAY FIELD
10	K050FAM	X(12)	INPUT FIELD
11	K050BPS	9(2)	INPUT FIELD
12	K050BPD	X(20)	DISPLAY FIELD
13	K050RC1	9(3)	INPUT FIELD
14	K050RD1	X(15)	DISPLAY FIELD
15	K050RC2	9(3)	INPUT FIELD
16	K050RD2	X(20)	DISPLAY FIELD
17	K050RC3	9(3)	INPUT FIELD
18	K050RD3	X(25)	DISPLAY FIELD
19	K050ID1	9(1)	INPUT FIELD
20	K050ID2	X(8)	DISPLAY FIELD
21	K050ID3	9(2)	INPUT FIELD
22	K050ID4	X(15)	DISPLAY FIELD
23	K050ID5	9(2)	INPUT FIELD
24	K050ID6	X(20)	DISPLAY FIELD
25	K050ID7	9(6)	INPUT FIELD
26	K050MOT	X(30)	INPUT FIELD
27	K050AD1	X(4)	INPUT FIELD
28	K050AD2	X(30)	INPUT FIELD
29	K050AD3	9(2)	INPUT FIELD
30	K050AD4	X(15)	DISPLAY FIELD
31	K050AD5	9(2)	INPUT FIELD
32	K050AD6	X(20)	DISPLAY FIELD
33	K050AD7	9(2)	INPUT FIELD
34	K050AD8	X(25)	DISPLAY FIELD
35	K050NC	X(2)	INPUT FIELD
36	K050ND	X(20)	DISPLAY FIELD
37	K050SEN	X(1)	INPUT FIELD
38	K050SOC	X(2)	INPUT FIELD
39	K050SOD	X(14)	DISPLAY FIELD
40	K050COV	X(1)	DISPLAY FIELD
41	K050BEN	X(1)	DISPLAY FIELD
42	K050LAW	9(1)	DISPLAY FIELD
43	K050IDC	X(1)	DISPLAY FIELD
44	K050INS	9(1)	INPUT FIELD
45	K050IND	X(15)	DISPLAY FIELD

317

SCREEN DESCRIPTION FORM (Continued)

DATA CONTENT

Reference Number	Data Name		Notes
46	K050APR	X(9)	DISPLAY FIELD
47	K050DAD	X(10)	DISPLAY FIELD
48	K050DLA	X(10)	DISPLAY FIELD
49	K050ATC	9(1)	INPUT FIELD
50	K050ATD	X(10)	DISPLAY FIELD
51	K050MS1	X(79)	DISPLAY FIELD
52	K050MS2	X(79)	DISPLAY FIELD
53	K050MS3	X(79)	DISPLAY FIELD

SCREEN LAYOUT

```
 ERKS050        AUTOMATED EGYPTIAN SOCIAL INSURANCE SYSTEM          [            ]
                      MODIFY REGISTRATION TRANSACTION
REGISTRATION NBR[          ]                                   SIN NBR[           ]
NAME[                                                   ]  BIRTH.LOCA[  ][                ]
DATE.OF.BIRT[            ] SEX.CODE[ ][        ]    FAMIL     [              ]
BIRTH.POLICE.ST[  ][                        ]
     ======================  REGIS  =========================
REGIO[    ][                ] OFFIC[    ][                    ]
UNIT [    ][                        ]
     ==================== POLICE.ID......... ==================
TYP[ ][         ] GOVERN[   ][                ] STATION.[   ][                    ]
SERI[       ]     MOTHERS[                                    ]
     ==================== CURRENT ADDRES ======================
NUMBER....[     ]STRE[                                  ]GOVERN[   ][                ]
POLICE.S[  ][                        ]   POLICE UNIT[   ][                        ]
     ==================== MISC. DATA     =======================
NATIONL[   ][                        ]SENSITIVE.[ ]SOURCE.OF.DAT[   ][                ]
COVERAGE.....[ ]BENEFITS.........[ ]APPLICABLE.LAW...[ ]NUMBER.OF.ID.CARDS..[ ]
INDIVIDUAL.STAT[ ][                ]  APPROV[          ] DATE.ADDED..[            ]
ACTION.TYPE..[ ][            ]                          DATE.LAST.ACTIO[           ]

[                                                                                  ]
[                                                                                  ]
[                                                                                  ]
```

SCREEN DESCRIPTION

System: Registration

Date f.c.: 8/13/84

Subsystem: Individual Registration

Date l.u.: 8/13/84

Screen ID: ERKS110

Phase: 2

Screen Name: Audit Original Application

Author: SWB

Description:

This screen is used by the Auditor to audit an individuals original application for social insurance registration. All of the Part I and Part II data will be displayed so the Auditor can view the transaction as keyed in by the Data Entry Clerk. These fields will be protected so no update can be done from this screen. Program Function Keys (PFK) are used to control the application.

Users: Registration Auditors

Type: Audit/Approval

Document Name: Individual Registration Application Form

Hard Copy: No

Comments: Applicable Program Function Keys (PFK) identification usage will be displayed at the bottom of the screen. Operator instruction messages and error messages will also be displayed at the bottom. PFK descriptions and message lines will be protected and not available for operator input.

SCREEN DESCRIPTION FORM (Continued)

DATA CONTENT

Reference Number	Data Name		Notes
1	K110CD	X(10)	DISPLAY ONLY
2	K110RN	9(9)	DISPLAY FIELD
3	K110NA	X(40)	INPUT FIELD
4	K110BL	9(2)	INPUT FIELD
5	K110BLD	X(15)	DISPLAY FIELD
6	K110DCB	X(10)	INPUT FIELD
7	K110SEX	9(1)	INPUT FIELD
8	K110SXD	X(6)	DISPLAY FIELD
9	K110FAM	X(12)	INPUT FIELD
10	K110BPS	9(2)	INPUT FIELD
11	K110BPD	X(20)	DISPLAY FIELD
12	K110RC1	9(3)	INPUT FIELD
13	K110RD1	X(15)	DISPLAY FIELD
14	K110RC2	9(3)	INPUT FIELD
15	K110RD2	X(20)	DISPLAY FIELD
16	K110RC3	9(3)	INPUT FIELD
17	K110RD3	X(25)	DISPLAY FIELD
18	K110ID1	9(1)	INPUT FIELD
19	K110ID2	X(8)	DISPLAY FIELD
20	K110ID3	9(2)	INPUT FIELD
21	K110ID4	X(15)	DISPLAY FIELD
22	K110ID5	9(2)	INPUT FIELD
23	K110ID6	X(20)	DISPLAY FIELD
24	K110ID7	9(6)	INPUT FIELD
25	K110MOT	X(30)	INPUT FIELD
26	K110AD1	X(4)	INPUT FIELD
27	K110AD2	X(30)	INPUT FIELD
28	K110AD3	9(2)	INPUT FIELD
29	K110AD4	X(15)	DISPLAY FIELD
30	K110AD5	9(2)	INPUT FIELD
31	K110AD6	X(20)	DISPLAY FIELD
32	K110AD7	9(2)	INPUT FIELD
33	K110AD8	X(25)	DISPLAY FIELD
34	K110NC	X(2)	INPUT FIELD
35	K110ND	X(20)	DISPLAY FIELD
36	K110SEN	X(1)	INPUT FIELD
37	K110SOC	X(2)	INPUT FIELD
38	K110SOD	X(14)	DISPLAY FIELD
39	K110COV	X(1)	DISPLAY FIELD
40	K110BEN	X(1)	DISPLAY FIELD
41	K110LAW	9(1)	DISPLAY FIELD
42	K110IDC	X(1)	DISPLAY FIELD
43	K110INS	9(1)	INPUT FIELD
44	K110IND	X(15)	DISPLAY FIELD
45	K110APR	X(9)	DISPLAY FIELD

SCREEN DESCRIPTION FORM (Continued)

DATA CONTENT

Reference Number	Data Name		Notes
46	K110DAD	X(10)	DISPLAY FIELD
47	K110DLA	X(10)	DISPLAY FIELD
48	K110ATC	9(1)	INPUT FIELD
49	K110ATD	X(10)	DISPLAY FIELD
50	K110MS1	X(79)	DISPLAY FIELD
51	K110MS2	X(79)	DISPLAY FIELD
52	K110MS3	X(79)	DISPLAY FIELD

SCREEN LAYOUT

```
 ERKS110        AUTOMATED EGYPTIAN SOCIAL INSURANCE SYSTEM          [            ]
                      AUDIT ORIGINAL APPLICATION
REGISTRATION NBR[          ]
NAME[                                          ]  BIRTH.LOCA[   ][                ]
DATE.OF.BIRT[           ] SEX.CODE[ ][       ]    FAMIL      [              ]
BIRTH.POLICE.ST[   ][                        ]
     ======================  REGIS  ==========================
REGIO[    ][                ] OFFIC[    ][                    ]
UNIT [    ][                          ]
     ==================== POLICE.ID......... ==================
TYP[ ][         ] GOVERN[   ][                ] STATION.[   ][                    ]
SERI[       ]     MOTHERS[                                    ]
     ==================== CURRENT ADDRES ======================
NUMBER....[     ]STRE[                                  ]GOVERN[   ][                ]
POLICE.S[   ][                      ]   POLICE_UNIT[   ][                          ]
     ==================== MISC. DATA     =======================
NATIONL[   ][                      ]SENSITIVE.[ ]SOURCE.OF.DAT[   ][               ]
COVERAGE.....[ ]BENEFITS.........[ ]APPLICABLE.LAW...[ ]NUMBER.OF.ID.CARDS..[ ]
INDIVIDUAL.STAT[ ][                ]  APPROV[          ] DATE.ADDED..[            ]
ACTION.TYPE..[ ][           ]                          DATE.LAST.ACTIO[           ]

[                                                                                  ]
[                                                                                  ]
[                                                                                  ]
```

SCREEN DESCRIPTION

System: Registration

Date f.c.: 8/13/84

Subsystem: Individual Registration

Date l.u.: 8/13/84

Screen ID: ERKS120

Phase: 2

Screen Name: Audit Modification

Author: SWB

Description:

This screen is used by the Auditor to audit an individual's request to change his/her Part I or Part II data currently on the National Individuals Database. The Data Entry Clerk has previously entered the changed data. Part I and Part II data are presented for display only on this screen. Program Function Keys (PFK) are used to control the application.

Users: Registration Auditors

Type: Audit/Approval

Document Name: Individual Registration Change Form or Individual Address Change Form

Hard Copy: No

Comments: Applicable Program Function Keys (PFK) identification and usage will be displayed at the bottom of the screen. Operator instruction messages and error messages will also be displayed at the bottom. PFK descriptions and message lines will be protected and not available for operator input.

SCREEN DESCRIPTION FORM (Continued)

DATA CONTENT

Reference Number	Data Name		Notes
1	K120CD	X(10)	DISPLAY ONLY
2	K120RN	9(9)	INPUT FIELD
3	K120SIN	9(9)	DISPLAY FIELD
4	K120NA	X(40)	INPUT FIELD
5	K120BL	9(2)	INPUT FIELD
6	K120BLD	X(15)	DISPLAY FIELD
7	K120DOB	X(10)	INPUT FIELD
8	K120SEX	9(1)	INPUT FIELD
9	K120SXD	X(6)	DISPLAY FIELD
10	K120FAM	X(12)	INPUT FIELD
11	K120BPS	9(2)	INPUT FIELD
12	K120BPD	X(20)	DISPLAY FIELD
13	K120RC1	9(3)	INPUT FIELD
14	K120RD1	X(15)	DISPLAY FIELD
15	K120RC2	9(3)	INPUT FIELD
16	K120RD2	X(20)	DISPLAY FIELD
17	K120RC3	9(3)	INPUT FIELD
18	K120RD3	X(25)	DISPLAY FIELD
19	K120ID1	9(1)	INPUT FIELD
20	K120ID2	X(8)	DISPLAY FIELD
21	K120ID3	9(2)	INPUT FIELD
22	K120ID4	X(15)	DISPLAY FIELD
23	K120ID5	9(2)	INPUT FIELD
24	K120ID6	X(20)	DISPLAY FIELD
25	K120ID7	9(6)	INPUT FIELD
26	K120MOT	X(30)	INPUT FIELD
27	K120AD1	X(4)	INPUT FIELD
28	K120AD2	X(30)	INPUT FIELD
29	K120AD3	9(2)	INPUT FIELD
30	K120AD4	X(15)	DISPLAY FIELD
31	K120AD5	9(2)	INPUT FIELD
32	K120AD6	X(20)	DISPLAY FIELD
33	K120AD7	9(2)	INPUT FIELD
34	K120AD8	X(25)	DISPLAY FIELD
35	K120NC	X(2)	INPUT FIELD
36	K120ND	X(20)	DISPLAY FIELD
37	K120SEN	X(1)	INPUT FIELD
38	K120SOC	X(2)	INPUT FIELD
39	K120SOD	X(14)	DISPLAY FIELD
40	K120COV	X(1)	DISPLAY FIELD
41	K120BEN	X(1)	DISPLAY FIELD
42	K120LAW	9(1)	DISPLAY FIELD
43	K120IDC	X(1)	DISPLAY FIELD
44	K120INS	9(1)	INPUT FIELD
45	K120IND	X(15)	DISPLAY FIELD

SCREEN DESCRIPTION FORM (Continued)

DATA CONTENT

Reference Number	Data Name		Notes
46	K120APR	X(9)	DISPLAY FIELD
47	K120DAD	X(10)	DISPLAY FIELD
48	K120DLA	X(10)	DISPLAY FIELD
49	K120ATC	9(1)	INPUT FIELD
50	K120ATD	X(10)	DISPLAY FIELD
51	K120MS1	X(79)	DISPLAY FIELD
52	K120MS2	X(79)	DISPLAY FIELD
53	K120MS3	X(79)	DISPLAY FIELD

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SCREEN LAYOUT

```
 ERKS120          AUTOMATED EGYPTIAN SOCIAL INSURANCE SYSTEM          [              ]
                        AUDIT MODIFICATION RECORDS
REGISTRATION NBR[          ]
NAME[                                                          SIN NBR[              ]
DATE.OF.BIRT[            ] SEX.CODE[ ][        ]  BIRTH.LOCA[  ][                    ]
BIRTH.POLICE.ST[  ][                          ]  FAMIL     [                ]
     ========================  REGIS  ============================
REGIO[    ][                  ] OFFIC[    ][                        ]
UNIT [    ][                          ]
     ===================== POLICE.ID......... ===================
TYP[ ][          ] GOVERN[   ][                  ] STATION.[   ][                        ]
SERI[       ]     MOTHERS[                                    ]
     ===================== CURRENT ADDRES ======================
NUMBER....[     ]STRE[                                  ]GOVERN[   ][                    ]
POLICE.S[  ][                        ]   POLICE_UNIT[   ][                              ]
     ===================== MISC. DATA      ========================
NATIONL[  ][                        ]SENSITIVE.[ ]SOURCE.OF.DAT[   ][                  ]
COVERAGE.....[ ]BENEFITS.........[ ]APPLICABLE.LAW...[ ]NUMBER.OF.ID.CARDS..[ ]
INDIVIDUAL.STAT[ ][                  ]  APPROV[          ] DATE.ADDED..[            ]
ACTION.TYPE..[ ][            ]                                DATE.LAST.ACTIO[            ]

[
[                                                                                          ]
[                                                                                          ]
                                                                                           ]
```

SCREEN DESCRIPTION FORM

Page of

System: Registration

Date f.c.: 8/13/84

Subsystem: Individual Registration

Date l.u.: 8/13/84

Screen ID: ERKS130

Phase: 2

Screen Name: Audit Reissue Request

Author: SWB

Description:

This screen is used by the Auditor to audit an individuals request for the reissue of an ID card. Part I and Part II data are displayed along with the count of cards issued in the past. Program Function Keys (PFK) are used to control the application.

Users: Registration Auditors

Type: Audit/Approval

Document Name: Individual ID Card Reissue Form

Hard Copy: No

Comments: Applicable Program Function Keys (PFK) identification and usage will be displayed at the bottom of the screen. Operator instruction messages and error messages will also be displayed at the bottom. PFK descriptions and message lines will be protected and not available for operator input.

SCREEN DESCRIPTION FORM (Continued)

DATA CONTENT

Reference Number	Data Name		Notes
1	K130CD	X(10)	DISPLAY ONLY
2	K130SIN	9(9)	INPUT FIELD
3	K130RN	9(9)	DISPLAY FIELD
4	K130NA	X(40)	INPUT FIELD
5	K130BL	9(2)	INPUT FIELD
6	K130BLD	X(15)	DISPLAY FIELD
7	K130DOB	X(10)	INPUT FIELD
8	K130SEX	9(1)	INPUT FIELD
9	K130SXD	X(6)	DISPLAY FIELD
10	K130FAM	X(12)	INPUT FIELD
11	K130BPS	9(2)	INPUT FIELD
12	K130BPD	X(20)	DISPLAY FIELD
13	K130RC1	9(3)	INPUT FIELD
14	K130RD1	X(15)	DISPLAY FIELD
15	K130RC2	9(3)	INPUT FIELD
16	K130RD2	X(20)	DISPLAY FIELD
17	K130RC3	9(3)	INPUT FIELD
18	K130RD3	X(25)	DISPLAY FIELD
19	K130ID1	9(1)	INPUT FIELD
20	K130ID2	X(8)	DISPLAY FIELD
21	K130ID3	9(2)	INPUT FIELD
22	K130ID4	X(15)	DISPLAY FIELD
23	K130ID5	9(2)	INPUT FIELD
24	K130ID6	X(20)	DISPLAY FIELD
25	K130ID7	9(6)	INPUT FIELD
26	K130MOT	X(30)	INPUT FIELD
27	K130AD1	X(4)	INPUT FIELD
28	K130AD2	X(30)	INPUT FIELD
29	K130AD3	9(2)	INPUT FIELD
30	K130AD4	X(15)	DISPLAY FIELD
31	K130AD5	9(2)	INPUT FIELD
32	K130AD6	X(20)	DISPLAY FIELD
33	K130AD7	9(2)	INPUT FIELD
34	K130AD8	X(25)	DISPLAY FIELD
35	K130NC	X(2)	INPUT FIELD
36	K130ND	X(20)	DISPLAY FIELD
37	K130SEN	X(1)	INPUT FIELD
38	K130SOC	X(2)	INPUT FIELD
39	K130SOD	X(14)	DISPLAY FIELD
40	K130COV	X(1)	DISPLAY FIELD
41	K130BEN	X(1)	DISPLAY FIELD
42	K130LAW	9(1)	DISPLAY FIELD
43	K130IDC	X(1)	DISPLAY FIELD
44	K130INS	9(1)	INPUT FIELD
45	K130IND	X(15)	DISPLAY FIELD

SCREEN DESCRIPTION FORM (Continued)

DATA CONTENT

Reference Number	Data Name		Notes
46	K130APR	X(9)	DISPLAY FIELD
47	K130DAD	X(10)	DISPLAY FIELD
48	K130DLA	X(10)	DISPLAY FIELD
49	K130ATC	9(1)	INPUT FIELD
50	K130ATD	X(10)	DISPLAY FIELD
51	K130MS1	X(79)	DISPLAY FIELD
52	K130MS2	X(79)	DISPLAY FIELD
53	K130MS3	X(79)	DISPLAY FIELD

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SCREEN LAYOUT

```
 ERKS130        AUTOMATED EGYPTIAN SOCIAL INSURANCE SYSTEM          [            ]
                          AUDIT REISSUE REUEST
SIN NBR[          ]                                  REGISTRATION_NBR[          ]
NAME[                                              ]  BIRTH.LOCA[   ][                ]
DATE.OF.BIRT[           ] SEX.CODE[ ][       ]     FAMIL     [              ]
BIRTH.POLICE.ST[   ][                        ]
      ========================  REGIS  ==========================
REGIO[    ][              ] OFFIC[    ][                      ]
UNIT [    ][                          ]
      ==================== POLICE.ID......... ==================
TYP[ ][         ] GOVERN[   ][                ] STATION.[   ][                    ]
SER[[       ]     MOTHERS[                                    ]
      ==================== CURRENT ADDRES ======================
NUMBER....[     ]STRE[                                  ]GOVERN[   ][                ]
POLICE.S[   ][                      ]   POLICE_UNIT[   ][                          ]
      ==================== MISC. DATA     ========================
NATIONL[   ][                      ]SENSITIVE.[ ]SOURCE.OF.DAT[   ][                ]
COVERAGE.....[ ]BENEFITS.........[ ]APPLICABLE.LAW...[ ]NUMBER.OF.ID.CARDS..[ ]
INDIVIDUAL.STAT[ ][                  ]  APPROV[          ] DATE.ADDED..[            ]
ACTION.TYPE..[ ][           ]                          DATE.LAST.ACTIO[            ]

[                                                                                  ]
[                                                                                  ]
[                                                                                  ]
```

SCREEN DESCRIPTION

System: Registration

Date f.c.: 8/13/84

Subsystem: Individual Registration

Date l.u.: 8/13/84

Screen ID: ERKS140

Phase: 2

Screen Name: Maintain Sensitive Indicator

Author: SWB

Description:

This screen is used by the Auditor, who has access authority to sensitive records, to mark an individual's record as either sensitive or non-sensitive. Program Function Keys are used to control the application.

Users: Registration Auditors

Type: Update

Document Name: None

Hard Copy: No

Comments: Applicable Program Function Keys (PFK) identification and usage will be displayed at the bottom of the screen. Operator instruction messages and error messages will also be displayed at the bottom. PFK descriptions and message lines will be protected and not available for operator input.

SCREEN DESCRIPTION FORM (Continued)

DATA CONTENT

Reference Number	Data Name		Notes
1	K140CD	X(10)	DISPLAY ONLY
2	K140RN	9(9)	INPUT FIELD
3	K140SIN	9(9)	DISPLAY FIELD
4	K140NA	X(40)	INPUT FIELD
5	K140BL	9(2)	INPUT FIELD
6	K140BLD	X(15)	DISPLAY FIELD
7	K140DOB	X(10)	INPUT FIELD
8	K140SEX	9(1)	INPUT FIELD
9	K140SXD	X(6)	DISPLAY FIELD
10	K140FAM	X(12)	INPUT FIELD
11	K140BPS	9(2)	INPUT FIELD
12	K140BPD	X(20)	DISPLAY FIELD
13	K140RC1	9(3)	INPUT FIELD
14	K140RD1	X(15)	DISPLAY FIELD
15	K140RC2	9(3)	INPUT FIELD
16	K140RD2	X(20)	DISPLAY FIELD
17	K140RC3	9(3)	INPUT FIELD
18	K140RD3	X(25)	DISPLAY FIELD
19	K140ID1	9(1)	INPUT FIELD
20	K140ID2	X(8)	DISPLAY FIELD
21	K140ID3	9(2)	INPUT FIELD
22	K140ID4	X(15)	DISPLAY FIELD
23	K140ID5	9(2)	INPUT FIELD
24	K140ID6	X(20)	DISPLAY FIELD
25	K140ID7	9(6)	INPUT FIELD
26	K140MOT	X(30)	INPUT FIELD
27	K140AD1	X(4)	INPUT FIELD
28	K140AD2	X(30)	INPUT FIELD
29	K140AD3	9(2)	INPUT FIELD
30	K140AD4	X(15)	DISPLAY FIELD
31	K140AD5	9(2)	INPUT FIELD
32	K140AD6	X(20)	DISPLAY FIELD
33	K140AD7	9(2)	INPUT FIELD
34	K140AD8	X(25)	DISPLAY FIELD
35	K140NC	X(2)	INPUT FIELD
36	K140ND	X(20)	DISPLAY FIELD
37	K140SEN	X(1)	INPUT FIELD
38	K140SOC	X(2)	INPUT FIELD
39	K140SOD	X(14)	DISPLAY FIELD
40	K140COV	X(1)	DISPLAY FIELD
41	K140BEN	X(1)	DISPLAY FIELD
42	K140LAW	9(1)	DISPLAY FIELD
43	K140IDC	X(1)	DISPLAY FIELD
44	K140INS	9(1)	INPUT FIELD
45	K140IND	X(15)	DISPLAY FIELD

SCREEN DESCRIPTION FORM (Continued)

DATA CONTENT

Reference Number	Data Name		Notes
46	K140APR	X(9)	DISPLAY FIELD
47	K140DAD	X(10)	DISPLAY FIELD
48	K140DLA	X(10)	DISPLAY FIELD
49	K140ATC	9(1)	INPUT FIELD
50	K140ATD	X(10)	DISPLAY FIELD
51	K140MS1	X(79)	DISPLAY FIELD
52	K140MS2	X(79)	DISPLAY FIELD
53	K140MS3	X(79)	DISPLAY FIELD

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SCREEN LAYOUT

```
 ERKS140        AUTOMATED EGYPTIAN SOCIAL INSURANCE SYSTEM          [            ]
                      MAINTAIN SENSITIVE INDICATOR
REGISTRATION NBR[          ]
NAME[                                                          SIN NBR[          ]
DATE.OF.BIRT[            ] SEX.CODE[ ][        ]    BIRTH.LOCA[  ][                ]
BIRTH.POLICE.ST[  ][                          ]    FAMIL     [              ]
     ======================  REGIS  ========================
REGIO[   ][                ] OFFIC[   ][                    ]
UNIT [   ][                          ]
     ==================== POLICE.ID......... ==================
TYP[ ][         ] GOVERN[  ][                ] STATION.[  ][                    ]
SERI[       ]     MOTHERS[                                  ]
     ==================== CURRENT ADDRES ======================
NUMBER....[    ]STRE[                                  ]GOVERN[  ][                ]
POLICE.S[  ][                      ]   POLICE_UNIT[  ][                          ]
     ==================== MISC. DATA     =======================
NATIONL[  ][                      ]SENSITIVE.[ ]SOURCE.OF.DAT[  ][                ]
COVERAGE.....[ ]BENEFITS.........[ ]APPLICABLE.LAW...[ ]NUMBER.OF.ID.CARDS..[ ]
INDIVIDUAL.STAT[ ][                ]  APPROV[          ] DATE.ADDED..[          ]
ACTION.TYPE..[ ][          ]                          DATE.LAST.ACTIO[          ]

[                                                                                ]
[                                                                                ]
[                                                                                ]
```

SCREEN DESCRIPTION

System: Registration | Date f.c.: 8/13/84

Subsystem: Individual Registration | Date l.u.: 8/13/84

Screen ID: ERKS150 | Phase: 2

Screen Name: Maintain Registration Transaction (Audit)

Author: SWB

Description:

This screen is used by the Auditor to modify Part I or Part II data that exists on an Individual Registration Record in the Individual Registration Transaction Database. Fields can be modified on the screen. Program Function keys are used to control the application.

Users: Registration Auditors

Type: Update

Document Name: Individual Registration Application Form or
Individual Registration Change Form or
Individual Address Change Form or
Individual ID Card Reissue Form

Hard Copy: No

Comments: Applicable Program Function Keys (PFK) identification and usage will be displayed at the bottom of the screen. Operator instruction messages and error messages will also be displayed at the bottom. PFK descriptions and message lines will be protected and not available for operator input.

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SCREEN DESCRIPTION FORM (Continued)

DATA CONTENT

Reference Number	Data Name		Notes
1	K150CD	X(10)	DISPLAY ONLY
2	K150RN	9(9)	INPUT FIELD
3	K150SIN	9(9)	DISPLAY FIELD
4	K150NA	X(40)	INPUT FIELD
5	K150BL	9(2)	INPUT FIELD
6	K150BLD	X(15)	DISPLAY FIELD
7	K150DOB	X(10)	INPUT FIELD
8	K150SEX	9(1)	INPUT FIELD
9	K150SXD	X(6)	DISPLAY FIELD
10	K150FAM	X(12)	INPUT FIELD
11	K150BPS	9(2)	INPUT FIELD
12	K150BPD	X(20)	DISPLAY FIELD
13	K150RC1	9(3)	INPUT FIELD
14	K150RD1	X(15)	DISPLAY FIELD
15	K150RC2	9(3)	INPUT FIELD
16	K150RD2	X(20)	DISPLAY FIELD
17	K150RC3	9(3)	INPUT FIELD
18	K150RD3	X(25)	DISPLAY FIELD
19	K150ID1	9(1)	INPUT FIELD
20	K150ID2	X(8)	DISPLAY FIELD
21	K150ID3	9(2)	INPUT FIELD
22	K150ID4	X(15)	DISPLAY FIELD
23	K150ID5	9(2)	INPUT FIELD
24	K150ID6	X(20)	DISPLAY FIELD
25	K150ID7	9(6)	INPUT FIELD
26	K150MOT	X(30)	INPUT FIELD
27	K150AD1	X(4)	INPUT FIELD
28	K150AD2	X(30)	INPUT FIELD
29	K150AD3	9(2)	INPUT FIELD
30	K150AD4	X(15)	DISPLAY FIELD
31	K150AD5	9(2)	INPUT FIELD
32	K150AD6	X(20)	DISPLAY FIELD
33	K150AD7	9(2)	INPUT FIELD
34	K150AD8	X(25)	DISPLAY FIELD
35	K150NC	X(2)	INPUT FIELD
36	K150ND	X(20)	DISPLAY FIELD
37	K150SEN	X(1)	INPUT FIELD
38	K150SOC	X(2)	INPUT FIELD
39	K150SOD	X(14)	DISPLAY FIELD
40	K150COV	X(1)	DISPLAY FIELD
41	K150BEN	X(1)	DISPLAY FIELD
42	K150LAW	9(1)	DISPLAY FIELD
43	K150IDC	X(1)	DISPLAY FIELD
44	K150INS	9(1)	INPUT FIELD
45	K150IND	X(15)	DISPLAY FIELD

SCREEN DESCRIPTION FORM (Continued)

DATA CONTENT

Reference Number	Data Name		Notes
46	K150APR	X(9)	DISPLAY FIELD
47	K150DAD	X(10)	DISPLAY FIELD
48	K150DLA	X(10)	DISPLAY FIELD
49	K150ATC	9(1)	INPUT FIELD
50	K150ATD	X(10)	DISPLAY FIELD
51	K150MS1	X(79)	DISPLAY FIELD
52	K150MS2	X(79)	DISPLAY FIELD
53	K150MS3	X(79)	DISPLAY FIELD

SCREEN LAYOUT

```
 ERKS150          AUTOMATED EGYPTIAN SOCIAL INSURANCE SYSTEM          [            ]
                   MAINTAIN REGISTRATION TRANSACTION AUDIT
REGISTRATION NBR[          ]
NAME[                                                          SIN NBR[          ]
DATE.OF.BIRT[          ] SEX.CODE[ ][        ]  BIRTH.LOCA[  ][                  ]
BIRTH.POLICE.ST[  ][                        ]   FAMIL.    [              ]
     ======================  REGIS  ==========================
REGIO[   ][                ] OFFIC[   ][                      ]
UNIT [   ][                          ]
     ================== POLICE.ID......... ==================
TYP[ ][         ] GOVERN[  ][                ] STATION.[  ][                    ]
SERI[       ]     MOTHERS[                                  ]
     ================== CURRENT ADDRES ======================
NUMBER....[     ]STREE[                                   ]GOVERN[  ][                ]
POLICE.S[  ][                        ]   POLICE_UNIT[  ][                          ]
     ================== MISC. DATA     ======================
NATIONL[  ][                        ]SENSITIVE.[ ]SOURCE.OF.DAT[  ][                ]
COVERAGE.....[ ]BENEFITS.........[ ]APPLICABLE.LAW...[ ]NUMBER.OF.ID.CARDS..[ ]
INDIVIDUAL.STAT[ ][                  ]  APPROV[          ] DATE.ADDED..[          ]
ACTION.TYPE..[ ][          ]                              DATE.LAST.ACTIO[          ]

[
[                                                                                  ]
[                                                                                  ]
                                                                                   ]
```

SCREEN DESCRIPTION

System: Registration

Date f.c.: 8/13/84

Subsystem: Individual Registration

Date l.u.: 8/22/84

Screen ID: ERKS160

Phase: 2

Screen Name: Verify ID Card Receipt

Author: SWB

Description:

This screen is used to verify that ID cards were correctly distributed to individuals. The Auditor can mark specific transactions as received or not as appropriate. The marking of the transaction is accomplished by placing an 'X' to the left (right in Arabic) of the appropriate line (or lines) and pressing the appropriate PFK.

Users: Registration Auditors

Type: Audit

Document Name: ID Card Distribution Report

Hard Copy: No

Comments: Applicable Program Function Keys (PFK) identification and usage will be displayed at the bottom of the screen. Operator instruction messages and error messages will also be displayed at the bottom. PFK descriptions and message lines will be protected and not available for operator input.

SCREEN DESCRIPTION FORM (Continued)

DATA CONTENT

Reference Number	Data Name	Field Length	Notes
1	K160CD	X(10)	DISPLAY
2	K160CN1	X(09)	INPUT
3	K160SL1	X(01)	INPUT
4	K160CK1	X(01)	INPUT
5	K160SN1	X(09)	DISPLAY
6	K160N1	X(40)	DISPLAY
7	K160RN1	X(09)	DISPLAY
8	K160SL2	X(01)	INPUT
9	K160CK2	X(01)	INPUT
10	K160SN2	X(09)	DISPLAY
11	K160N2	X(40)	DISPLAY
12	K160RN2	X(09)	DISPLAY
13	K160SL3	X(01)	INPUT
14	K160CK3	X(01)	INPUT
15	K160SN3	X(09)	DISPLAY
16	K160N3	X(40)	DISPLAY
17	K160RN3	X(09)	DISPLAY
18	K160SL4	X(01)	INPUT
19	K160CK4	X(01)	INPUT
20	K160SN4	X(09)	DISPLAY
21	K160N4	X(40)	DISPLAY
22	K160RN4	X(09)	DISPLAY
23	K160SL5	X(01)	INPUT
24	K160CK5	X(01)	INPUT
25	K160SN5	X(09)	DISPLAY
26	K160N5	X(40)	DISPLAY
27	K160RN5	X(09)	DISPLAY
28	K160SL6	X(01)	INPUT
29	K160CK6	X(01)	INPUT
30	K160SN6	X(09)	DISPLAY
31	K160N6	X(40)	DISPLAY
32	K160RN6	X(09)	DISPLAY
33	K160SL7	X(01)	INPUT
34	K160CK7	X(01)	INPUT
35	K160SN7	X(09)	DISPLAY
36	K160N7	X(40)	DISPLAY
37	K160RN7	X(09)	DISPLAY
38	K160SL8	X(01)	INPUT
39	K160CK8	X(01)	INPUT
40	K160SN8	X(09)	DISPLAY
41	K160N8	X(40)	DISPLAY
42	K160RN8	X(09)	DISPLAY
43	K160SL9	X(01)	INPUT
44	K160CK9	X(01)	INPUT
45	K160SN9	X(09)	DISPLAY

SCREEN DESCRIPTION FORM (Continued)

DATA CONTENT

Reference Number	Data Name	Field Length	Notes
46	K160N9	X(40	DISPLAY
47	K160RN9	X(09)	DISPLAY
48	K160SLA	X(01)	INPUT
49	K160CKA	X(01)	INPUT
50	K160SNA	X(09)	DISPLAY
51	K160NA	X(40)	DISPLAY
52	K160RNA	X(09)	DISPLAY
53	K160SLB	X(01)	INPUT
54	K160CKB	X(01)	INPUT
55	K160SNB	X(09)	DISPLAY
56	K160NB	X(40)	DISPLAY
57	K160RNB	X(09)	DISPLAY
58	K160SLC	X(01)	INPUT
59	K160CKC	X(01)	INPUT
60	K160SNC	X(09)	DISPLAY
61	K160NC	X(40)	DISPLAY
62	K160RNC	X(09)	DISPLAY
63	K160SLD	X(01)	INPUT
64	K160CKD	X(01)	INPUT
65	K160SND	X(09)	DISPLAY
66	K160ND	X(40)	DISPLAY
67	K160RND	X(09)	DISPLAY
68	K160SLE	X(01)	INPUT
69	K160CKE	X(01)	INPUT
70	K160SNE	X(09)	DISPLAY
71	K160NE	X(40)	DISPLAY
72	K160RNE	X(09)	DISPLAY
73	K160SLF	X(01)	INPUT
74	K160CKF	X(01)	INPUT
75	K160SNF	X(09)	DISPLAY
76	K160NF	X(40)	DISPLAY
77	K160RNF	X(09)	DISPLAY

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SCREEN LAYOUT

```
ERKS160          AUTOMATED EGYPTIAN SOCIAL INSURANCE SYSTEM          [              ]
                          VERIFY ID CARD RECEIPT

ID CARD DISTRIBUTION CONTROL NUMBER [          ]
SEL RECEIPT      SIN                                   NAME
ONE CHECK        NUMBER                                                    REGISTRATION
                                                                              NUMBER
[ ]   [ ]      [           ] [                                          ] [           ]
[ ]   [ ]      [           ] [                                          ] [           ]
[ ]   [ ]      [           ] [                                          ] [           ]
[ ]   [ ]      [           ] [                                          ] [           ]
[ ]   [ ]      [           ] [                                          ] [           ]
[ ]   [ ]      [           ] [                                          ] [           ]
[ ]   [ ]      [           ] [                                          ] [           ]
[ ]   [ ]      [           ] [                                          ] [           ]
[ ]   [ ]      [           ] [                                          ] [           ]
[ ]   [ ]      [           ] [                                          ] [           ]
[ ]   [ ]      [           ] [                                          ] [           ]
[ ]   [ ]      [           ] [                                          ] [           ]
[ ]   [ ]      [           ] [                                          ] [           ]
[ ]   [ ]      [           ] [                                          ] [           ]
[ ]   [ ]      [           ] [                                          ] [           ]
[ ]   [ ]      [           ] [                                          ] [           ]
[
[
[                                                                                      ]
                                                                                       ]
                                                                                       ]
```

SCREEN DESCRIPTION

System: Registration

Date f.c.:

Subsystem: Individual Registration

Date l.u.:

Screen ID: ERKS210

Phase: 2

Screen Name: Inspection Assignment

Author:

Description:

Refer to ERKS210 - Inspection Assignment Format.

Users: SIO Inspectors

Type: Data Entry

Document Name: Not Applicable

Hard Copy:

Comments: This screen is utilized by SIO Inspectors to capture results of inspection activities. It is the link between the Auditor and the Inspector. Uesr instruction for processing will be displayed. Logical input errors will be highlighted. Input is cursor controled.

SCREEN DESCRIPTION FORM (Continued)

DATA CONTENT

Reference Number	Data Name		Notes
1	K210CD	X(10)	DISPLAY ONLY
2	K210RN	9(9)	DISPLAY FIELD
3	K210NA	X(40)	INPUT FIELD
4	K210BL	9(2)	INPUT FIELD
5	K210BLD	X(15)	DISPLAY FIELD
6	K210DOB	X(10)	INPUT FIELD
7	K210SEX	9(1)	INPUT FIELD
8	K210SXD	X(6)	DISPLAY FIELD
9	K210FAM	X(12)	INPUT FIELD
10	K210BPS	9(2)	INPUT FIELD
11	K210BPD	X(20)	DISPLAY FIELD
12	K210RC1	9(3)	INPUT FIELD
13	K210RD1	X(15)	DISPLAY FIELD
14	K210RC2	9(3)	INPUT FIELD
15	K210RD2	X(20)	DISPLAY FIELD
16	K210RC3	9(3)	INPUT FIELD
17	K210RD3	X(25)	DISPLAY FIELD
18	K210ID1	9(1)	INPUT FIELD
19	K210ID2	X(8)	DISPLAY FIELD
20	K210ID3	9(2)	INPUT FIELD
21	K210ID4	X(15)	DISPLAY FIELD
22	K210ID5	9(2)	INPUT FIELD
23	K210ID6	X(20)	DISPLAY FIELD
24	K210ID7	9(6)	INPUT FIELD
25	K210AD1	X(4)	INPUT FIELD
26	K210AD2	X(30)	INPUT FIELD
27	K210AD3	9(2)	INPUT FIELD
28	K210AD4	X(15)	DISPLAY FIELD
29	K210AD5	9(2)	INPUT FIELD
30	K210AD6	X(20)	DISPLAY FIELD
31	K210AD7	9(2)	INPUT FIELD
32	K210AD8	X(25)	DISPLAY FIELD
33	K210DIA	X(10)	INPUT FIELD
34	K210SIN	X(9)	INPUT FIELD
35	K210RC	X(2)	INPUT FIELD
36	K210RD	X(15)	DISPLAY FIELD
37	K210IC	X(10)	DISPLAY FIELD
38	K210IRC	X(2)	DISPLAY FIELD
39	K210IRD	X(15)	DISPLAY FIELD
40	K210LAW	9(1)	DISPLAY FIELD
41	K210IDC	X(1)	DISPLAY FIELD
42	K210INS	9(1)	INPUT FIELD
43	K210IND	X(15)	DISPLAY FIELD
44	K210APR	X(9)	DISPLAY FIELD
45	K210DAD	X(10)	DISPLAY FIELD

SCREEN DESCRIPTION FORM (Continued)

DATA CONTENT

Reference Number	Data Name		Notes
46	K210DLA	X(10)	DISPLAY FIEI
47	K210ATC	9(1)	INPUT FIELD
48	K210ATD	X(10)	DISPLAY FIELD
49	K210MS1	X(79)	DISPLAY FIELD
50	K210MS2	X(79)	DISPLAY FIELD
51	K210MS3	X(79)	DISPLAY FIELD

SCREEN LAYOUT

```
 CRKS210        AUTOMATED EGYPTIAN SOCIAL INSURANCE SYSTEM          [            ]
                          INSPECTION ASSIGNMENT
REGISTRATION NBR[          ]
NAME[                                          ]  BIRTH.LOCA[   ][                ]
DATE.OF.BIRT[           ] SEX.CODE[ ][       ]    FAMIL     [                ;
BIRTH.POLICE.ST[   ][                        ]
      ======================  REGIS  ==========================
REGIO[    ][                ] OFFIC[    ][                     ]
UNIT [    ][                          ]
      ==================== POLICE.ID......... ==================
TYP[  ][          ] GOVERN[   ][                ] STATION.[   ][                  ]
SERI[        ]      MOTHERS[                                    ]
      ==================== CURRENT ADDRES ======================
NUMBER....[     ]STRE[                                  ]GOVERN[   ][                ]
POLICE.S[   ][                        ]   POLICE_UNIT[   ][                         ]
      ==================== INSP. DATA      ========================
                DATE.INSPECTOR.ASSIGNED [            ]
                INSPECTOR.SIN [          ]
                INSPECTION.REASON [   ] [                ]
                DATE.INSPCTION.COMPLETED [           ]
                INSPECTION.RESULTS [   ] [                ]
[                                                                                  ]
[                                                                                  ]
[                                                                                  ]
```

SCREEN DESCRIPTION

System: Registration

Subsystem: Individual Registration

Screen ID: ERKS220

Screen Name: Inspection Results

Author:

Date f.c.:

Date l.u.:

Phase: 2

Description:

Refer to ERKS220 - Inspection Results Format.

Users: SIO Inspectors

Type: Data Entry

Document Name: Not Applicable

Hard Copy:

Comments: This screen is utilized by SIO Inspectors to capture results of inspection activities. It is the link between the Auditor and the Inspector. Uesr instruction for processing will be displayed. Logical input errors will be highlighted. Input is cursor controled.

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SCREEN DESCRIPTION FORM (Continued)

DATA CONTENT

Reference Number	Data Name		Notes
1	K210CD	X(10)	DISPLAY ONLY
2	K210RN	9(9)	DISPLAY FIELD
3	K210NA	X(40)	INPUT FIELD
4	K210BL	9(2)	INPUT FIELD
5	K210BLD	X(15)	DISPLAY FIELD
6	K210DOB	X(10)	INPUT FIELD
7	K210SEX	9(1)	INPUT FIELD
8	K210SXD	X(6)	DISPLAY FIELD
9	K210FAM	X(12)	INPUT FIELD
10	K210BPS	9(2)	INPUT FIELD
11	K210BPD	X(20)	DISPLAY FIELD
12	K210RC1	9(3)	INPUT FIELD
13	K210RD1	X(15)	DISPLAY FIELD
14	K210RC2	9(3)	INPUT FIELD
15	K210RD2	X(20)	DISPLAY FIELD
16	K210RC3	9(3)	INPUT FIELD
17	K210RD3	X(25)	DISPLAY FIELD
18	K210ID1	9(1)	INPUT FIELD
19	K210ID2	X(8)	DISPLAY FIELD
20	K210ID3	9(2)	INPUT FIELD
21	K210ID4	X(15)	DISPLAY FIELD
22	K210ID5	9(2)	INPUT FIELD
23	K210ID6	X(20)	DISPLAY FIELD
24	K210ID7	9(6)	INPUT FIELD
25	K210AD1	X(4)	INPUT FIELD
26	K210AD2	X(30)	INPUT FIELD
27	K210AD3	9(2)	INPUT FIELD
28	K210AD4	X(15)	DISPLAY FIELD
29	K210AD5	9(2)	INPUT FIELD
30	K210AD6	X(20)	DISPLAY FIELD
31	K210AD7	9(2)	INPUT FIELD
32	K210AD8	X(25)	DISPLAY FIELD
33	K210DIA	X(10)	DISPLAY FIELD
34	K210SIN	X(9)	DISPLAY FIELD
35	K210RC	X(2)	DISPLAY FIELD
36	K210RD	X(15)	DISPLAY FIELD
37	K210IC	X(10)	INPUT FIELD
38	K210IRC	X(2)	INPUT FIELD
39	K210IRD	X(15)	DISPLAY FIELD
40	K210LAW	9(1)	DISPLAY FIELD
41	K210IDC	X(1)	DISPLAY FIELD
42	K210INS	9(1)	INPUT FIELD
43	K210IND	X(15)	DISPLAY FIELD
44	K210APR	X(9)	DISPLAY FIELD
45	K210DAD	X(10)	DISPLAY FIELD

SCREEN DESCRIPTION FORM (Continued)

DATA CONTENT

Reference Number	Data Name		Notes
46	K210DLA	X(10)	DISPLAY FIELD
47	K210ATC	9(1)	INPUT FIELD
48	K210ATD	X(10)	DISPLAY FIELD
49	K210MS1	X(79)	DISPLAY FIELD
50	K210MS2	X(79)	DISPLAY FIELD
51	K210MS3	X(79)	DISPLAY FIELD

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SCREEN LAYOUT

```
 ERKS220          AUTOMATED EGYPTIAN SOCIAL INSURANCE SYSTEM          [              ]
                           INSPECTION RESULTS
REGISTRATION NBR[          ]
NAME[
DATE.OF.BIRT[            ] SEX.CODE[ ][        ]   BIRTH.LOCA[   ][                 ]
BIRTH.POLICE.ST[   ][                          ]   FAMIL     [                 ]
     ========================  REGIS  ==========================
REGIO[    ][                 ] OFFIC[    ][                      ]
UNIT [    ][                          ]
     ==================== POLICE.ID......... ===================
TYP[ ][          ] GOVERN[   ][                  ] STATION.[   ][                 ]
SERI[        ]     MOTHERS[                                    ]
     ==================== CURRENT ADDRES ======================
NUMBER....[     ]STREE[                                  ]GOVERN[   ][                 ]
POLICE.S[   ][                        ]   POLICE_UNIT[   ][                 ]
     ==================== INSP. DATA      ========================
                DATE.INSPECTOR.ASSIGNED [            ]
                INSPECTOR.SIN [          ]
                INSPECTION.REASON [   ] [                ]
                DATE.INSPCTION.COMPLETED [           ]
                INSPECTION.RESULTS [   ] [                ]
[
[                                                                                ]
[                                                                                ]
                                                                                 ]
```

SCREEN DESCRIPTION

System: Registration

Date f.c.: 8/21/84

Subsystem: Individual Registration

Date l.u.:

Screen ID: ERKS310

Phase: 2

Screen Name: Query By Name

Author: JL

Description:

This screen allows the user to browse the National Individuals Data Base via the following categories: Name, Birth Location, Date of Birth, and Sex. The purpose of this screen is to assist the user, when duplicate names exist, select the desired individual.

Users: SIO Registration Office

Type: Inquiry

Document Name: Not Applicable

Hard Copy:

Comments: Input data items are cursor controlled. Operator messages and instructions will be displayed at the bottom three lines of the screen and will be protected display-only lines.

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SCREEN DESCRIPTION FORM (Continued)

DATA CONTENT

Reference Number	Data Name	Field Length	Notes
1	K310CD	X(10)	DISPLAY
2	K310N1	X(40)	DISPLAY
3	K310B1	X(02)	DISPLAY
4	K310DB1	X(10)	DISPLAY
5	K310SX1	X	DISPLAY
6	K310N2	X(40)	DISPLAY
7	K310B2	X(02)	DISPLAY
8	K310DB2	X(10)	DISPLAY
9	K310SX2	X	DISPLAY
10	K310N3	X(40)	DISPLAY
11	K310B3	X(02)	DISPLAY
12	K310DB3	X(10)	DISPLAY
13	K310SX3	X	DISPLAY
14	K310N4	X(40)	DISPLAY
15	K310B4	X(02)	DISPLAY
16	K310DB4	X(10)	DISPLAY
17	K310SX4	X	DISPLAY
18	K310N5	X(40)	DISPLAY
19	K310B5	X(02)	DISPLAY
20	K310DB5	X(10)	DISPLAY
21	K310SX5	X	DISPLAY
22	K310N6	X(40)	DISPLAY
23	K310B6	X(02)	DISPLAY
24	K310DB6	X(10)	DISPLAY
25	K310SX6	X	DISPLAY
26	K310N7	X(40)	DISPLAY
27	K310B7	X(02)	DISPLAY
28	K310DB7	X(10)	DISPLAY
29	K310SX7	X	DISPLAY
30	K310N8	X(40)	DISPLAY
31	K310B8	X(02)	DISPLAY
32	K310DB8	X(10)	DISPLAY
33	K310SX8	X	DISPLAY
34	K310N9	X(40)	DISPLAY
35	K310B9	X(02)	DISPLAY
36	K310DB9	X(10)	DISPLAY
37	K310SX9	X	DISPLAY
38	K310NA	X(40)	DISPLAY
39	K310BA	X(02)	DISPLAY
40	K310DBA	X(10)	DISPLAY
41	K310SXA	X	DISPLAY
42	K310NB	X(40)	DISPLAY
43	K310BB	X(02)	DISPLAY
44	K310DBB	X(10)	DISPLAY
45	K310SXB	X	DISPLAY

SCREEN DESCRIPTION FORM (Continued)

DATA CONTENT

Reference Number	Data Name	Field Length	Notes
46	K310NC	X(40)	DISPLAY
47	K310BC	X(02)	DISPLAY
48	K310DBC	X(10)	DISPLAY
49	K310SXC	X	DISPLAY
50	K310ND	X(40)	DISPLAY
51	K310BD	X(02)	DISPLAY
52	K310DBD	X(10)	DISPLAY
53	K310SXD	X	DISPLAY
54	K310NE	X(40)	DISPLAY
55	K310BE	X(02)	DISPLAY
56	D310DBE	X(10)	DISPLAY
57	K310SXE	X	DISPLAY
58	K310NF	X(40)	DISPLAY
59	K310BF	X(02)	DISPLAY
60	K310DBF	X(10)	DISPLAY
61	K310SXF	X	DISPLAY
62	K310N	X(40)	INPUT
63	K310B	X(02)	INPUT
64	K310DB	X(10)	INPUT
65	K310SX	X	INPUT
66	K310MS1	X(79)	DISPLAY
67	K310MS2	X(79)	DISPLAY
68	K310MS3	X(79)	DISPLAY

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SCREEN LAYOUT

```
ERKS310          AUTOMATED EGYPTIAN SOCIAL INSURANCE SYSTEM          [              ]
                              QUERY BY NAME

                                   NAME                 BIRTH    DATE OF          SEX
                                                       LOCATION   BIRTH           CODE
              [                                         ]  [    ]  [            ]   [  ]
              [                                         ]  [    ]  [            ]   [  ]
              [                                         ]  [    ]  [            ]   [  ]
              [                                         ]  [    ]  [            ]   [  ]
              [                                         ]  [    ]  [            ]   [  ]
              [                                         ]  [    ]  [            ]   [  ]
              [                                         ]  [    ]  [            ]   [  ]
              [                                         ]  [    ]  [            ]   [  ]
              [                                         ]  [    ]  [            ]   [  ]
              [                                         ]  [    ]  [            ]   [  ]
              [                                         ]  [    ]  [            ]   [  ]
              [                                         ]  [    ]  [            ]   [  ]
              [                                         ]  [    ]  [            ]   [  ]
              [                                         ]  [    ]  [            ]   [  ]
              [                                         ]  [    ]  [            ]   [  ]
              [                                         ]  [    ]  [            ]   [  ]
              [                                         ]  [    ]  [            ]   [  ]
SEARCH CNTL   [                                         ]  [    ]  [            ]   [  ]
[                                                                                       ]
[                                                                                       ]
[                                                                                       ]
```


355

SCREEN DESCRIPTION

System: Registration

Date f.c.: 8/21/84

Subsystem: Individual Registration

Date l.u.:

Screen ID: ERKS320

Phase: 2

Screen Name: Query By SIN

Author: JL

Description:

This screen allows the user to enter the desired SIN and receive a detailed display of Part I and Part II Individual Data from the National Individual's Data Base.

Users: SIO Registration Office

Type: Inquiry

Document Name: Not Applicable

Hard Copy:

Comments: Input data items are cursor controlled. Operator messages and functional instructions are displayed on the last three lines of the screen.

356

SCREEN DESCRIPTION FORM (Continued)

DATA CONTENT

Reference Number	Data Name		Notes
1	K320CD	X(10)	DISPLAY
2	K320N1	X(40)	DISPLAY
3	K320B1	X(02)	DISPLAY
4	K320DB1	X(10)	DISPLAY
5	K320SX1	X	DISPLAY
6	K320N2	X(40)	DISPLAY
7	K320B2	X(02)	DISPLAY
8	K320DB2	X(10)	DISPLAY
9	K320SX2	X	DISPLAY
10	K320N3	X(40)	DISPLAY
11	K320B3	X(02)	DISPLAY
12	K320DB3	X(10)	DISPLAY
13	K320SX3	X	DISPLAY
14	K320N4	X(40)	DISPLAY
15	K320B4	X(02)	DISPLAY
16	K320DB4	X(10)	DISPLAY
17	K320SX4	X	DISPLAY
18	K320N5	X(40)	DISPLAY
19	K320B5	X(02)	DISPLAY
20	K320DB5	X(10)	DISPLAY
21	K320SX5	X	DISPLAY
22	K320N6	X(40)	DISPLAY
23	K320B6	X(02)	DISPLAY
24	K320DB6	X(10)	DISPLAY
25	K320SX6	X	DISPLAY
26	K320N7	X(40)	DISPLAY
27	K320B7	X(02)	DISPLAY
28	K320DB7	X(10)	DISPLAY
29	K320SX7	X	DISPLAY
30	K320N8	X(40)	DISPLAY
31	K320B8	X(02)	DISPLAY
32	K320DB8	X(10)	DISPLAY
33	K320SX8	X	DISPLAY
34	K320N9	X(40)	DISPLAY
35	K320B9	X(02)	DISPLAY
36	K320DB9	X(10)	DISPLAY
37	K320SX9	X	DISPLAY
38	K320NA	X(40)	DISPLAY
39	K320BA	X(02)	DISPLAY
40	K32[illegible]BA	X(10)	DISPLAY
41	K32[illegible]XA	X	DISPLAY
42	K32[illegible]B	X(40)	DISPLAY
43	K320BB	X(02)	DISPLAY
44	K320DBB	X(10)	DISPLAY
45	K320SXB	X	DISPLAY

391

SCREEN DESCRIPTION FORM (Continued)

DATA CONTENT

Reference Number	Data Name	Field Length	Notes
46	K320NC	X(40)	DISPLAY
47	K320BC	X(02)	DISPLAY
48	K320DBC	X(10)	DISPLAY
49	K320SXC	X	DISPLAY
50	K320ND	X(40)	DISPLAY
51	K320BD	X(02)	DISPLAY
52	K320DBD	X(10)	DISPLAY
53	K320SXD	X	DISPLAY
54	K320NE	X(40)	DISPLAY
55	K320BE	X(02)	DISPLAY
56	D320DBE	X(10)	DISPLAY
57	K320SXE	X	DISPLAY
58	K320NF	X(40)	DISPLAY
59	K320BF	X(02)	DISPLAY
60	K320DBF	X(10)	DISPLAY
61	K320SXF	X	DISPLAY
62	K320N	X(40)	INPUT
63	K320B	X(02)	INPUT
64	K320DB	X(10)	INPUT
65	K320SX	X	INPUT
66	K320MS1	X(79)	DISPLAY
67	K320MS2	X(79)	DISPLAY
68	K320MS3	X(79)	DISPLAY

SCREEN LAYOUT

```
 ERKS320        AUTOMATED EGYPTIAN SOCIAL INSURANCE SYSTEM          [            ]
                                QUERY BY SIN
SIN NBR[          ]
NAME[                                                 ]  BIRTH.LOCA[   ][                ]
DATE.OF.BIRT[            ] SEX.CODE[ ][        ]     FAMIL      [              ]
BIRTH.POLICE.ST[   ][                          ]
      ======================  REGIS  ==========================
REGIO[    ][                ] OFFIC[    ][                      ]
UNIT [    ][                          ]
      ==================== POLICE.ID......... ==================
TYP[ ][          ] GOVERN[   ][                ] STATION.[   ][                    ]
SERI[       ]     MOTHERS[                                    ]
      ==================== CURRENT ADDRES ======================
NUMBER....[     ]STRE[                                  ]GOVERN[   ][                ]
POLICE.S[   ][                        ]   POLICE_UNIT[   ][                          ]
      ==================== MISC. DATA     =======================
NATIONL[   ][                        ]SENSITIVE.[ ]SOURCE.OF.DAT[   ][              ]
COVERAGE.....[ ]BENEFITS.........[ ]APPLICABLE.LAW...[ ]NUMBER.OF.ID.CARDS..[ ]
INDIVIDUAL.STAT[ ][                  ]  APPROV[          ] DATE.ADDED..[            ]
ACTION.TYPE..[ ][          ]                              DATE.LAST.ACTIO[           ]

[
[                                                                                    ]
[                                                                                    ]
                                                                                     ]
```

SCREEN DESCRIPTION

System: Registration

Date f.c.: 8/13/84

Subsystem: Individual Registration

Date l.u.:

Screen ID: ERKS910

Phase: 2

Screen Name: Registration Transaction Update

Author: SWB

Description:

This screen displays Parts I and II Individual Data. It allows updates to all data fields not screen protected. Input is cursor controlled and logical input errors will be highlighted.

Users: Registration Auditors and Data Entry Clerks

Type: Document Entry

Document Name: As Applicable

Hard Copy:

Comments: Applicable program function key (PF) key identification and usage will be displayed at the base of the screen on one line. Operator messages will also be displayed on a single line. Both of these display lines will be screen protected.

SCREEN DESCRIPTION FORM (Continued)

DATA CONTENT

Reference Number	Data Name		Notes
1	K910CD	X(10)	DISPLAY ONLY
2	K910RN	9(9)	INPUT FIELD
3	K910SIN	9(9)	DISPLAY FIELD
4	K910NA	X(40)	INPUT FIELD
5	K910BL	9(2)	INPUT FIELD
6	K910BLD	X(15)	DISPLAY FIELD
7	K910DOB	X(10)	INPUT FIELD
8	K910SEX	9(1)	INPUT FIELD
9	K910SXD	X(6)	DISPLAY FIELD
10	K910FAM	X(12)	INPUT FIELD
11	K910BPS	9(2)	INPUT FIELD
12	K910BPD	X(20)	DISPLAY FIELD
13	K910RC1	9(3)	INPUT FIELD
14	K910RD1	X(15)	DISPLAY FIELD
15	K910RC2	9(3)	INPUT FIELD
16	K910RD2	X(20)	DISPLAY FIELD
17	K910RC3	9(3)	INPUT FIELD
18	K910RD3	X(25)	DISPLAY FIELD
19	K910ID1	9(1)	INPUT FIELD
20	K910ID2	X(8)	DISPLAY FIELD
21	K910ID3	9(2)	INPUT FIELD
22	K910ID4	X(15)	DISPLAY FIELD
23	K910ID5	9(2)	INPUT FIELD
24	K910ID6	X(20)	DISPLAY FIELD
25	K910ID7	9(6)	INPUT FIELD
26	K910MOT	X(30)	INPUT FIELD
27	K910AD1	X(4)	INPUT FIELD
28	K910AD2	X(30)	INPUT FIELD
29	K910AD3	9(2)	INPUT FIELD
30	K910AD4	X(15)	DISPLAY FIELD
31	K910AD5	9(2)	INPUT FIELD
32	K910AD6	X(20)	DISPLAY FIELD
33	K910AD7	9(2)	INPUT FIELD
34	K910AD8	X(25)	DISPLAY FIELD
35	K910NC	X(2)	INPUT FIELD
36	K910ND	X(20)	DISPLAY FIELD
37	K910SEN	X(1)	INPUT FIELD
38	K910SOC	X(2)	INPUT FIELD
39	K910SOD	X(14)	DISPLAY FIELD
40	K910COV	X(1)	DISPLAY FIELD
41	K910BEN	X(1)	DISPLAY FIELD
42	K910LAW	9(1)	DISPLAY FIELD
43	K910IDC	X(1)	DISPLAY FIELD
44	K910INS	9(1)	INPUT FIELD
45	K910IND	X(15)	DISPLAY FIELD

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SCREEN_DESCRIPTION_FORM (Continued)

DATA_CONTENT

Reference Number	Data_Name		Notes
46	K910APR	X(9)	DISPLAY FIELD
47	K910DAD	X(10)	DISPLAY FIELD
48	K910DLA	X(10)	DISPLAY FIELD
49	K910ATC	9(1)	INPUT FIELD
50	K910ATD	X(10)	DISPLAY FIELD
51	K910MS1	X(79)	DISPLAY FIELD
52	K910MS2	X(79)	DISPLAY FIELD
53	K910MS3	X(79)	DISPLAY FIELD

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SCREEN LAYOUT

```
 ERKS910        AUTOMATED EGYPTIAN SOCIAL INSURANCE SYSTEM          [            ]
                      REGISTRATION TRANSACTION UPDATE
REGISTRATION NBR[          ]
NAME[                                                          SIN NBR[          ]
DATE.OF.BIRT[          ] SEX.CODE[ ][       ]  BIRTH.LOCA[  ][                   ]
BIRTH.POLICE.ST[   ][                          ]  FAMIL     [              ]
     ========================  REGIS  ==========================
REGIO[    ][                ] OFFIC[    ][                      ]
UNIT [    ][                          ]
     ==================== POLICE.ID......... ===================
TYP[ ][         ] GOVERN[   ][                ] STATION.[   ][                    ]
SERI[       ]     MOTHERS[                                    ]
     ==================== CURRENT ADDRES ========================
NUMBER....[     ]STRE[                                  ]GOVERN[   ][                ]
POLICE.S[   ][                      ]   POLICE_UNIT[   ][                          ]
     ==================== MISC. DATA      ========================
NATIONL[   ][                      ]SENSITIVE.[ ]SOURCE.OF.DAT[   ][                ]
COVERAGE.....[ ]BENEFITS.........[ ]APPLICABLE.LAW...[ ]NUMBER.OF.ID.CARDS..[ ]
INDIVIDUAL.STAT[ ][                  ]  APPROV[          ] DATE.ADDED..[          ]
ACTION.TYPE..[ ][            ]                          DATE.LAST.ACTIO[          ]

[                                                                                  ]
[                                                                                  ]
[                                                                                  ]
[                                                                                  ]
```

SCREEN DESCRIPTION

System: Registration

Date f.c.: 8/13/84

Subsystem: Individual Registration

Date l.u.: 8/22/84

Screen ID: ERKS920

Phase: 2

Screen Name: Duplication Check - Names Display

Author: SWB

Description:

This screen allows an Auditor to scan the National Individual Names Database to try to identify duplicate individuals. From this screen it is possible to toggle to ERKS921 to display the Part I and Part II data for selected individuals.

Users: Registration Auditors

Type: Inquiry

Document Name: Individual Registration Application Form or
Individual Registration Change Form or
Individual Address Change Form

Hard Copy:

Comments: Applicable Program Function Keys (PFK) identification and usage will be displayed at the bottom of the screen. Operator instruction messages and error messages will also be displayed at the bottom. PFK descriptions and message lines will be protected and not available for operator input.

364

SCREEN DESCRIPTION FORM (Continued)

DATA CONTENT

Reference Number	Data Name	Field Length	Notes
0	K920CD	X(10)	DISPLAY
1	K920SL1	X(01)	INPUT
2	K920IN1	X(09)	DISPLAY
3	K920N1	X(40)	DISPLAY
4	K920B1	X(02)	DISPLAY
5	K920DB1	X(10)	DISPLAY
6	K920SX1	X(01)	DISPLAY
7	K920SL2	X(01)	INPUT
8	K920IN2	X(09)	DISPLAY
9	K920N2	X(40)	DISPLAY
10	K920B2	X(02)	DISPLAY
11	K920DB2	X(10)	DISPLAY
12	K920SX2	X(01)	DISPLAY
13	K920SL3	X(01)	INPUT
14	K920IN3	X(09)	DISPLAY
15	K920N3	X(40)	DISPLAY
16	K920B3	X(02)	DISPLAY
17	K920DB3	X(10)	DISPLAY
18	K920SX3	X(01)	DISPLAY
19	K920SL4	X(01)	INPUT
20	K920IN4	X(09)	DISPLAY
21	K920N4	X(40)	DISPLAY
22	K920B4	X(02)	DISPLAY
23	K920DB4	X(10)	DISPLAY
24	K920SX4	X(01)	DISPLAY
25	K920SL5	X(01)	INPUT
26	K920IN5	X(09)	DISPLAY
27	K920N5	X(40)	DISPLAY
28	K920B5	X(02)	DISPLAY
29	K920DB5	X(10)	DISPLAY
30	K920SX5	X(01)	DISPLAY
31	K920SL6	X(01)	INPUT
32	K920IN6	X(09)	DISPLAY
33	K920N6	X(40)	DISPLAY
34	K920B6	X(02)	DISPLAY
35	K920DB6	X(10)	DISPLAY
36	K920SX6	X(01)	DISPLAY
37	K920SL7	X(01)	INPUT
38	K920IN7	X(09)	DISPLAY
39	K920N7	X(40)	DISPLAY
40	K920B7	X(02)	DISPLAY
41	K920DB7	X(10)	DISPLAY
42	K920SX7	X(01)	DISPLAY
43	K920SL8	X(01)	INPUT
44	K920IN8	X(09)	DISPLAY

365

SCREEN DESCRIPTION FORM (Continued)

DATA CONTENT

Reference Number	Data Name	Field Length	Notes
45	K920N8	X(40)	DISPLAY
46	K920B8	X(02)	DISPLAY
47	K920DB8	X(10)	DISPLAY
48	K920SX8	X(01)	DISPLAY
49	K920SL9	X(01)	INPUT
50	K920IN9	X(09)	DISPLAY
51	K920N9	X(40)	DISPLAY
52	K920B9	X(02)	DISPLAY
53	K920DB9	X(10)	DISPLAY
54	K920SX9	X(01)	DISPLAY
55	K920SLA	X(01)	INPUT
56	K920INA	X(09)	DISPLAY
57	K920NA	X(40)	DISPLAY
58	K920BA	X(02)	DISPLAY
59	K920DBA	X(10)	DISPLAY
60	K920SXA	X(01)	DISPLAY
61	K920SLB	X(01)	INPUT
62	K920INB	X(09)	DISPLAY
63	K920NB	X(40)	DISPLAY
64	K920BB	X(02)	DISPLAY
65	K920DBB	X(10)	DISPLAY
66	K920SXB	X(01)	DISPLAY
67	K920SLC	X(01)	INPUT
68	K920INC	X(09)	DISPLAY
69	K920NC	X(40)	DISPLAY
70	K920BC	X(02)	DISPLAY
71	K920DBC	X(10)	DISPLAY
72	K920SXC	X(01)	DISPLAY
73	K920SLD	X(01)	INPUT
74	K920IND	X(09)	DISPLAY
75	K920ND	X(40)	DISPLAY
76	K920BD	X(02)	DISPLAY
77	K920DBD	X(10)	DISPLAY
78	K920SXD	X(01)	DISPLAY
79	K920SLE	X(01)	INPUT
80	K920INE	X(09)	DISPLAY
81	K920NE	X(40)	DISPLAY
82	K920BE	X(02)	DISPLAY
83	K920DBE	X(10)	DISPLAY
84	K920SXE	X(01)	DISPLAY
85	K920SLF	X(01)	INPUT
86	K920INF	X(09)	DISPLAY
87	K920NF	X(40)	DISPLAY
88	K920BF	X(02)	DISPLAY
89	K920DBF	X(10)	DISPLAY

366

SCREEN DESCRIPTION FORM (Continued)

DATA CONTENT

Reference Number	Data Name	Field Length	Notes
90	K920SXF	X(01)	DISPLAY
91	K920SL	X(01)	INPUT/OUTPUT
92	K920IN	X(09)	INPUT/OUTPUT
93	K920N	X(40)	INPUT/OUTPUT
94	K920B	X(42)	INPUT/OUTPUT
95	K920DB	X(10)	INPUT/OUTPUT
96	K920SX	X(01)	INPUT/OUTPUT
97	K920MS1	X(79)	DISPLAY
98	K920MS2	X(79)	DISPLAY
99	K920MS3	X(79)	DISPLAY

SCREEN LAYOUT

```
ERK5920          AUTOMATED EGYPTIAN SOCIAL INSURANCE SYSTEM          [          ]
                      DUPLICATION CHECK - NAMES LIST

SEL      SIN                          NAME                BIRTH     DATE OF     SEX
ONE                                                         LOC       BIRTH      CODE
[ ] [          ] [                                      ] [   ] [            ] [  ]
[ ] [          ] [                                      ] [   ] [            ] [  ]
[ ] [          ] [                                      ] [   ] [            ] [  ]
[ ] [          ] [                                      ] [   ] [            ] [  ]
[ ] [          ] [                                      ] [   ] [            ] [  ]
[ ] [          ] [                                      ] [   ] [            ] [  ]
[ ] [          ] [                                      ] [   ] [            ] [  ]
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[ ] [          ] [                                      ] [   ] [            ] [  ]
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[ ] [          ] [                                      ] [   ] [            ] [  ]
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[ ] [          ] [                                      ] [   ] [            ] [  ]
[ ] [          ] [                                      ] [   ] [            ] [  ]
[ ] [          ] [                                      ] [   ] [            ] [  ]
[ ] [          ] [                                      ] [   ] [            ] [  ]
SEARCH CNTL      [                                                                ]
[                                                                                 ]
[                                                                                 ]
[                                                                                 ]
```


368

SCREEN DESCRIPTION

System: Registration | Date f.c.: 8/13/84

Subsystem: Individual Registration | Date l.u.: 8/13/84

Screen ID: ERKS921 | Phase: 2

Screen Name: Duplication Check - Detail Data Display

Author: SWB

Description:

This screen will display detailed Part I and Part II data for an individual. PFK control will provide for switching back to ERKS920 in order to resume the scan of individual's names.

Users: Registration Auditors

Type: Inquiry

Document Name: Individual Registration Application Form or
Individual Registration Change Form or
Individual Address Change Form

Hard Copy: No

Comments: Applicable Program Function Keys (PFK) identification and usage will be displayed at the bottom of the screen. Operator instruction messages and error messages will also be displayed at the bottom. PFK descriptions and message lines will be protected and not available for operator input.

SCREEN DESCRIPTION FORM (Continued)

DATA CONTENT

Reference Number	Data Name		Notes
1	K921CD	X(10)	DISPLAY ONLY
2	K921SIN	9(9)	INPUT FIELD
3	K921NA	X(40)	INPUT FIELD
4	K921BL	9(2)	INPUT FIELD
5	K921BLD	X(15)	DISPLAY FIELD
6	K921DOB	X(10)	INPUT FIELD
7	K921SEX	9(1)	INPUT FIELD
8	K921SXD	X(6)	DISPLAY FIELD
9	K921FAM	X(12)	INPUT FIELD
10	K921BPS	9(2)	INPUT FIELD
11	K921BPD	X(20)	DISPLAY FIELD
12	K921RC1	9(3)	INPUT FIELD
13	K921RD1	X(15)	DISPLAY FIELD
14	K921RC2	9(3)	INPUT FIELD
15	K921RD2	X(20)	DISPLAY FIELD
16	K921RC3	9(3)	INPUT FIELD
17	K921RD3	X(25)	DISPLAY FIELD
18	K921ID1	9(1)	INPUT FIELD
19	K921ID2	X(8)	DISPLAY FIELD
20	K921ID3	9(2)	INPUT FIELD
21	K921ID4	X(15)	DISPLAY FIELD
22	K921ID5	9(2)	INPUT FIELD
23	K921ID6	X(20)	DISPLAY FIELD
24	K921ID7	9(6)	INPUT FIELD
25	K921MOT	X(30)	INPUT FIELD
26	K921AD1	X(4)	INPUT FIELD
27	K921AD2	X(30)	INPUT FIELD
28	K921AD3	9(2)	INPUT FIELD
29	K921AD4	X(15)	DISPLAY FIELD
30	K921AD5	9(2)	INPUT FIELD
31	K921AD6	X(20)	DISPLAY FIELD
32	K921AD7	9(2)	INPUT FIELD
33	K921AD8	X(25)	DISPLAY FIELD
34	K921NC	X(2)	INPUT FIELD
35	K921ND	X(20)	DISPLAY FIELD
36	K921SEN	X(1)	INPUT FIELD
37	K921SOC	X(2)	INPUT FIELD
38	K921SOD	X(14)	DISPLAY FIELD
39	K921COV	X(1)	DISPLAY FIELD
40	K921BEN	X(1)	DISPLAY FIELD
41	K921LAW	9(1)	DISPLAY FIELD
42	K921IDC	X(1)	DISPLAY FIELD
43	K921INS	9(1)	INPUT FIELD
44	K921IND	X(15)	DISPLAY FIELD
45	K921APR	X(9)	DISPLAY FIELD

370

SCREEN DESCRIPTION FORM (Continued)

DATA CONTENT

Reference Number	Data Name		Notes
46	K921DAD	X(10)	DISPLAY FIELD
47	K921DLA	X(10)	DISPLAY FIELD
48	K921ATC	9(1)	INPUT FIELD
49	K921ATD	X(10)	DISPLAY FIELD
50	K921MS1	X(79)	DISPLAY FIELD
51	K921MS2	X(79)	DISPLAY FIELD
52	K921MS3	X(79)	DISPLAY FIELD

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SCREEN LAYOUT

```
 ERKS921          AUTOMATED EGYPTIAN SOCIAL INSURANCE SYSTEM          [              ]
                      DUPLICATION CHECK - DETAIL DATA
SIN NBR[          ]
NAME[                                                ]  BIRTH.LOCA[   ][                ]
DATE.OF.BIRT[            ] SEX.CODE[ ][        ]     FAMIL      [              ]
BIRTH.POLICE.ST[   ][                          ]
     ========================  REGIS  ==========================
REGIO[    ][                  ] OFFIC[    ][                        ]
UNIT [    ][                          ]
     ==================== POLICE.ID......... ==================
TYP[  ][          ] GOVERN[   ][                  ] STATION.[   ][                  ]
SERI[        ]      MOTHERS[                                    ]
     ==================== CURRENT ADDRES ========================
NUMBER.....[     ]STREI                                  ]GOVERN[   ][                  ]
POLICE.S[   ][                        ]   POLICE UNIT[   ][                  ]
     ==================== MISC. DATA      ==========================
NATIONL[   ][                        ]SENSITIVE.[ ]SOURCE.OF.DAT[   ][                  ]
COVERAGE.....[ ]BENEFITS.........[ ]APPLICABLE.LAW...[ ]NUMBER.OF.ID.CARDS..[ ]
INDIVIDUAL.STAT[ ][                  ]  APPROVE[          ] DATE.ADDED..[            ]
ACTION.TYPE..[ ][            ]                              DATE.LAST.ACTIO[            ]

[
[                                                                                    ]
[                                                                                    ]
                                                                                     ]
```

REPORT DESCRIPTION

System: Registration — Date f.c.: 22 Aug 1984

Subsystem: Individuals Registration — Date l.u.: 29 Aug 1984

Function: Batch Processing — Phase: 2

Report ID: ERKR410

Report Name: Individual Registration Statement

Author: GAS

Description:

A statement that will be used to attach to any accompaning documents associated with registration (e.g. birth certificate). There will be one page for each individual registration that has any supporting documents.

Production:

Frequency	Medium	Forms	Volume
_____ Daily	__X__ Paper	ID: _____	Lines per page
_____ Weekly	_____ Preprinted Form	Type: _____	Avg: _____
_____ Bi-Weekly	_____ Other	Size: _____	Max: _____
_____ Semi-Monthly	_____	# of Plys: _____	Pages per report
_____ Monthly			Avg: _____
_____ Quarterly			Max: _____
_____ On Request			
__X__ Other as required/per batch run			

Distribution:

Area or Job Title	Location	Copies	Page Break/Total
Local Office Supervisor	Registration	one (1)	each registration

---

Sequence: Entry Order

Comments: This report will be identical in format to the Individual Registration Statement that is produced by the on-line Data Entry Processing programs.

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REPORT DESCRIPTION FORM (Continued)

DATA CONTENT

Reference Number	Data Name	Notes
1	REGISTRATION-TRANSACTION-NUMBER	
2	FULL-NAME	
3	BIRTH-LOCATION	
4	DATE-OF-BIRTH	
5	SEX-CODE	
6	FAMILY-NAME	
7	REGISTRATION-REGION-CODE	
8	REGISTRATION-LOCAL-OFFICE-CODE	
9	REGISTRATION-LOCAL-UNIT-CODE	
10	POLICE-ID-TYPE	
11	POLICE-ID-GOVERNORATE-CODE	
12	POLICE-ID-STATION-CODE	
13	POLICE-ID-SERIAL-NUMBER	
14	ADDRESS-BUILDING-NUMBER	
15	ADDRESS-STREET-NAME	
16	ADDRESS-GOVERNORATE-CODE	
17	ADDRESS-POLICE-STATION-CODE	
18	ADDRESS-POLICE-UNIT-CODE	

REPORT DESCRIPTION

System: Registration — Date f.c.: 22 Aug 1984

Subsystem: Individuals Registration — Date l.u.:

Function: Batch Processing — Phase: 2

Report ID: ERKR411

Report Name: Batch Transaction Register

Author: GAS

Description:

This report provides a detail listing of the results of the batch transaction processing of registration transactions for original applicants, individual record modification, address change and ID card reissue transactions.

Production:

Frequency	Medium	Forms	Volume
_____ Daily	___X_ Paper	ID: _____	Lines per page
_____ Weekly	_____ Preprinted Form	Type: _____	Avg: _____
_____ Bi-Weekly	_____ Other	Size: _____	Max: _____
_____ Semi-Monthly	_____	# of Plys: _____	Pages per repor
_____ Monthly			Avg: _____
_____ Quarterly			Max: _____
_____ On Request			
__X__ Other as required/per batch run			

Distribution:

Area or Job Title	Location	Copies	Page Break/Total
Local Office Supervisor	Registration	one (1)	Transaction-Registration-Location

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Sequence: Entry Order

Comments:

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REPORT DESCRIPTION FORM (Continued)

DATA CONTENT

Reference Number	Data Name	Notes
1	TRANSACTION-TYPE	
2	REISSUE-REASON-CODE	
3	TRANSACTION-REGISTRATION-LOCATION	
4	STATUS-CODE	
5	ENTRY-DATE	
6	ENTRY-SIN	
7	REMOTE-TRANS-REF-NO	
8	INDIVIDUAL-SIN	
9	FULL-NAME	
10	BIRTH-LOCATION	
11	SEX-CODE	
12	DATE-OF-BIRTH	
13	FAMILY-NAME	
14	BIRTH-POLICE-STATION	
15	REGISTRATION-REGION-CODE	
16	REGISTRATION-LOCAL-OFFICE-CODE	
17	REGISTRATION-LOCAL-UNIT-CODE	
18	MOTHERS-NAME	
19	POLICE-ID-TYPE	
20	POLICE-ID-GOVERNORATE-CODE	
21	POLICE-ID-STATION-CODE	
22	POLICE-ID-SERIAL-NUMBER	

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REPORT DESCRIPTION FORM (Continued)

DATA CONTENT

Reference Number	Data Name	Notes
23	ADDRESS-BUILDING-NUMBER	
24	ADDRESS-STREET-NAME	
25	ADDRESS-GOVERNORATE-CODE	
26	ADDRESS-POLICE-STATION-CODE	
27	ERROR-REASON-CODE	

271

REPORT DESCRIPTION

System: Registration — Date f.c.: 22 Aug 1984

Subsystem: Individuals Registration — Date l.u.: 29 Aug 1984

Function: Batch Processing — Phase: 2

Report ID: ERKR420

Report Name: Batch Audit Register

Author: GAS

Description:

This report provides a detail listing of the results of the batch audit and database update for previously entered original applicants, individual record modifications, address change and ID card reissue transactions.

Production:

Frequency	Medium	Forms	Volume
_____ Daily	__X__ Paper	ID: _____	Lines per page
_____ Weekly	_____ Preprinted Form	Type: _____	Avg: _____
_____ Bi-Weekly	_____ Other	Size: _____	Max: _____
_____ Semi-Monthly	_____	# of Plys: _____	Pages per report
_____ Monthly			Avg: _____
_____ Quarterly			Max: _____
_____ On Request			
__X__ Other as required/per batch run			

Distribution:

Area or Job Title	Location	Copies	Page Break/Total
Local Office Supervisor	Registration	one (1)	Transaction-registration-location

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Sequence: Entry Order

Comments: Will print only data from the latest active record for each selected transaction on the Registration Transaction Database.

REPORT DESCRIPTION FORM (Continued)

DATA CONTENT

Reference Number	Data Name	Notes
1	REGISTRATION-TRANSACTION-NUMBER	
2	RECORD-COUNT	
3	TRANSACTION-TYPE	
4	REISSUE-REASON-CODE	
5	TRANSACTION-REGISTRATION-LOCATION	
6	ID-CARD-DISTRIBUTION-CNTL-NBR	
7	STATUS-CODE	
8	STATUS-CHANGE-DATE	
9	ENTRY-DATE	
10	ENTRY-SIN	
11	AUDIT-DATE	
12	AUDIT-SIN	
13	REMOTE-TRANS-REF-NO	
14	DATE-INSPECTOR-ASSIGNED	
15	DATE-INSPECTION-COMPLETED	
16	INSPECTOR-SIN	
17	INSPECTION-REASON-CODE	
18	INSPECTION-RESULTS	
19	INDIVIDUAL-SIN	
20	FULL-NAME	
21	BIRTH-LOCATION	

REPORT DESCRIPTION FORM (Continued)

DATA CONTENT

Reference Number	Data Name	Notes
22	SEX-CODE	
23	DATE-OF-BIRTH	
24	FAMILY-NAME	
25	BIRTH-POLICE-STATION	
26	REGISTRATION-REGION-CODE	
27	REGISTRATION-LOCAL-OFFICE-CODE	
28	REGISTRATION-LOCAL-UNIT-CODE	
29	MOTHERS-NAME	
30	POLICE-ID-TYPE	
31	POLICE-ID-GOVERNORATE-CODE	
32	POLICE-ID-STATION-CODE	
33	POLICE-ID-SERIAL-NUMBER	
34	ADDRESS-BUILDING-NUMBER	
35	ADDRESS-STREET-NAME	
36	ADDRESS-GOVERNORATE-CODE	
37	ADDRESS-POLICE-STATION-CODE	
38	ADDRESS-POLICE-UNIT-CODE	
39	ERROR-REASON-CODE	

REPORT DESCRIPTION

System: Registration — Date f.c.: 22 Aug 1984

Subsystem: Individuals Registration — Date l.u.: 29 Aug 1984

Function: Batch Processing — Phase: 2

Report ID: ERKR430

Report Name: ID Card Distribution Report

Author: GAS

Description:

A report to accompany the ID cards sent for distribution to each local office. This report will contain one line for each ID card to be distributed and will contain space for the ID card recipient to acknowledge receipt. This report will act as a turn-around document and will be returned to the auditor for verification of ID card receipt (or non-receipt).

Production:

Frequency	Medium	Forms	Volume
_____ Daily	___X_ Paper	ID: _____	Lines per page
_____ Weekly	_____ Preprinted Form	Type: _____	Avg: _____
_____ Bi-Weekly	_____ Other	Size: _____	Max: _____
_____ Semi-Monthly	_____	# of Plys: _____	Pages per report
_____ Monthly			Avg: _____
_____ Quarterly			Max: _____
_____ On Request			
__X__ Other as required/per batch run			

Distribution:

Area or Job Title	Location	Copies	Page Break/Total
Local Office Supervisor	Registration	one (1)	Audit - SIN

381

Sequence:

Major: TRANSACTION-REGISTRATION-LOCATION
AUDIT-SIN

Minor: ENTRY-DATE
ENTRY-SIN
OFFLINE-TRANSACTION-REF-NBR
INDIVIDUAL-SIN

Comments:

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REPORT DESCRIPTION FORM (Continued)

DATA CONTENT

Reference Number	Data Name	Notes
1	ID-CARD-DISTRIBUTION-NBR	
2	TRANSACTION-REGISTRATION-LOCATION	
3	AUDIT-SIN	
4	ENTRY-DATE	
5	ENTRY-SIN	
6	OFFLINE-TRANSACTION-REF-NBR	
7	INDIVIDUAL-SIN	
8	FULL-NAME	
9	REGISTRATION-TRANSACTION-NUMBER	
10	RECEIPT-ACKNOWLEDGEMENT-AREA	

REPORT DESCRIPTION

System: Registration Date f.c.: 22 Aug 1984

Subsystem: Individuals Registration Date l.u.:

Function: Batch Processing Phase: 2

Report ID: ERKR440

Report Name: Registration Archive Report

Author: GAS

Description:

This report provides a detail listing of all Registration Transaction Database records that were removed from the active file and written to the Registration Archive File.

Production:

Frequency	Medium	Forms	Volume
_____ Daily	___X_ Paper	ID:	Lines per page
_____ Weekly	_____ Preprinted Form	Type: _____	Avg: _____
_____ Bi-Weekly	_____ Other	Size: _____	Max: _____
_____ Semi-Monthly	_____	# of Plys: _____	Pages per report
_____ Monthly			Avg: _____
_____ Quarterly			Max: _____
_____ On Request			
__X__ Other as required/per batch run			

Distribution:

Area or Job Title	Location	Copies	Page Break/Total
Local Office Supervisor	Registration	one (1)	Transaction-Registration-Location

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Sequence: Entry Order

Comments: Will print data from each of the records for archived transactions from the Registration Transaction Database.

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REPORT DESCRIPTION FORM (Continued)

DATA CONTENT

Reference Number	Data Name	Notes
1	REGISTRATION-TRANSACTION-NUMBER	
2	RECORD-COUNT	
3	TRANSACTION-TYPE	
4	REISSUE-REASON-CODE	
5	TRANSACTION-REGISTRATION-LOCATION	
6	ID-CARD-DISTRIBUTION-CNTL-NBR	
7	STATUS-CODE	
8	STATUS-CHANGE-DATE	
9	ENTRY-DATE	
10	ENTRY-SIN	
11	AUDIT-DATE	
12	AUDIT-SIN	
13	REMOTE-TRANS-REF-NO	
14	DATE-INSPECTOR-ASSIGNED	
15	DATE-INSPECTION-COMPLETED	
16	INSPECTOR-SIN	
17	INSPECTION-REASON-CODE	
18	INSPECTION-RESULTS	
19	INDIVIDUAL-SIN	
20	FULL-NAME	
21	BIRTH-LOCATION	

REPORT DESCRIPTION FORM (Continued)

DATA CONTENT

Reference Number	Data Name	Notes
22	SEX-CODE	
23	DATE-OF-BIRTH	
24	FAMILY-NAME	
25	BIRTH-POLICE-STATION	
26	REGISTRATION-REGION-CODE	
27	REGISTRATION-LOCAL-OFFICE-CODE	
28	REGISTRATION-LOCAL-UNIT-CODE	
29	MOTHERS-NAME	
30	POLICE-ID-TYPE	
31	POLICE-ID-GOVERNORATE-CODE	
32	POLICE-ID-STATION-CODE	
33	POLICE-ID-SERIAL-NUMBER	
34	ADDRESS-BUILDING-NUMBER	
35	ADDRESS-STREET-NAME	
36	ADDRESS-GOVERNORATE-CODE	
37	ADDRESS-POLICE-STATION-CODE	
38	ADDRESS-POLICE-UNIT-CODE	
39	SENSITIVITY-INDICATOR	

REPORT DESCRIPTION FORM (Continued)

DATA CONTENT

Reference Number	Data Name	Notes
40	INDIVIDUAL-STATUS-CODE	
41	NUMBER-OF-ID-CARDS-ISSUED	
42	APPROVED-BY-SIN	
43	DATE-ADDED	
44	ORIGINAL-SOURCE-OF-DATA-CODE	
45	DATE-LAST-ACTION	
46	ACTION-TYPE-CODE	
47	COVERAGE-FLAG	
48	BENEFITS-FLAG	

REPORT DESCRIPTION

System: Registration Date f.c.: 22 Aug 1984

Subsystem: Individuals Registration Date l.u.:

Function: Report Processing Phase: 2

Report ID: ERKR510

Report Name: Daily Registration Transaction Report

Author: GAS

Description:

This provides a report of activity by day for the Registration Transaction Database.

Production:

Frequency	Medium	Forms	Volume
__X__ Daily	___X_ Paper	ID:	Lines per page
_____ Weekly	_____ Preprinted Form	Type: _____	Avg: _____
_____ Bi-Weekly	_____ Other	Size: _____	Max: _____
_____ Semi-Monthly	_____	# of Plys: _____	Pages per report
_____ Monthly			Avg: _____
_____ Quarterly			Max: _____
_____ On Request			
_____ Other _____			

Distribution:

Area or Job Title	Location	Copies	Page Break/Total
Central Site		one (1)	Status-Change-Date

Sequence: Major: STATUS-CHANGE-DATE

Minor: REGISTRATION-TRANSACTION-NUMBER

Comments: A date range parameter will be input to this report process. Only the latest active records from the Registration Transaction Database that have a status-change-date within the date range will be selected.

REPORT DESCRIPTION FORM (Continued)

DATA CONTENT

Reference Number	Data Name	Notes
1	REGISTRATION-TRANSACTION-NUMBER	
2	RECORD-COUNT	
3	TRANSACTION-TYPE	
4	REISSUE-REASON-CODE	
5	TRANSACTION-REGISTRATION-LOCATION	
6	ID-CARD-DISTRIBUTION-CNTL-NBR	
7	STATUS-CODE	
8	STATUS-CHANGE-DATE	
9	ENTRY-DATE	
10	ENTRY-SIN	
11	AUDIT-DATE	
12	AUDIT-SIN	
13	REMOTE-TRANS-REF-NO	
14	DATE-INSPECTOR-ASSIGNED	
15	DATE-INSPECTION-COMPLETED	
16	INSPECTOR-ISIN	
17	INSPECTION-REASON-CODE	
18	INSPECTION-RESULTS	
19	INDIVIDUAL-SIN	
20	FULL-NAME	
21	BIRTH-LOCATION	

REPORT DESCRIPTION FORM (Continued)

DATA CONTENT

Reference Number	Data Name	Notes
22	SEX-CODE	
23	DATE-OF-BIRTH	
24	FAMILY-NAME	
25	BIRTH-POLICE-STATION	
26	REGISTRATION-REGION-CODE	
27	REGISTRATION-LOCAL-OFFICE-CODE	
28	REGISTRATION-REGION-UNIT-CODE	
29	MOTHERS-NAME	
30	POLICE-ID-TYPE	
31	POLICE-ID-GOVERNORATE-CODE	
32	POLICE-ID-STATION-CODE	
33	POLICE-ID-SERIAL-NUMBER	
34	ADDRESS-BUILDING-NUMBER	
35	ADDRESS-STREET-NAME	
36	ADDRESS-GOVERNORATE-CODE	
37	ADDRESS-POLICE-STATION-CODE	
38	ADDRESS-POLICE-UNIT-CODE	
39	SENSITIVITY-INDICATOR	

REPORT DESCRIPTION FORM (Continued)

DATA CONTENT

Reference Number	Data Name	Notes
40	INDIVIDUAL-STATUS-CODE	
41	NUMBER-OF-ID-CARDS-ISSUED	
42	APPROVED-BY-SIN	
43	DATE-ADDED	
44	ORIGINAL-SOURCE-OF-DATA-CODE	
45	DATE-LAST-ACTION	
46	ACTION-TYPE-CODE	
47	COVERAGE-FLAG	
48	BENEFITS-FLAG	
49	APPLICABLE-LAW-FLAG	

REPORT DESCRIPTION

System: Registration

Date f.c.: 22 Aug 1984

Subsystem: Individuals Registration

Date l.u.: 29 Aug 1984

Function: Report Processing

Phase: 2

Report ID: ERKR520

Report Name: Daily Inspection Report

Author: GAS

Description:

This provides a report of the transactions on the Registration Transaction Database that are in inspection status.

Production:

Frequency	Medium	Forms	Volume
__X__ Daily	___X_ Paper	ID:	Lines per page
_____ Weekly	_____ Preprinted Form	Type: _____	Avg: _____
_____ Bi-Weekly	_____ Other	Size: _____	Max: _____
_____ Semi-Monthly	_____	# of Plys: _____	Pages per report
_____ Monthly			Avg: _____
_____ Quarterly			Max: _____
_____ On Request			
_____ Other _____			

Distribution:

Area or Job Title	Location	Copies	Page Break/Total
Inspection Supervisor	Registration	one (1)	Transaction-Registration-Location

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Sequence: Major: Transaction-Registration-Location
Inspector-ISIN
Status-Code
Minor: Registration-Transaction-Number

Comments: Only transactions from the Registration Transaction Database that have a status-code = 25, 31, 35 or 36 will be selected. For those selected all 3 (if present) records will be printed.

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REPORT DESCRIPTION FORM (Continued)

DATA CONTENT

Reference Number	Data Name	Notes
1	REGISTRATION-TRANSACTION-NUMBER	
2	RECORD-COUNT	
3	TRANSACTION-TYPE	
4	REISSUE-REASON-CODE	
5	TRANSACTION-REGISTRATION-LOCATION	
6	ID-CARD-DISTRIBUTION-CNTL-NBR	
7	STATUS-CODE	
8	STATUS-CHANGE-DATE	
9	ENTRY-DATE	
10	ENTRY-SIN	
11	AUDIT-DATE	
12	AUDIT-SIN	
13	REMOTE-TRANS-REF-NO	
14	DATE-INSPECTOR-ASSIGNED	
15	DATE-INSPECTION-COMPLETED	
16	INSPECTOR-ISIN	
17	INSPECTION-REASON-CODE	
18	INSPECTION-RESULTS	
19	INDIVIDUAL-SIN	
20	FULL-NAME	
21	BIRTH-LOCATION	

REPORT DESCRIPTION FORM (Continued)

DATA CONTENT

Reference Number	Data Name	Notes
22	SEX-CODE	
23	DATE-OF-BIRTH	
24	FAMILY-NAME	
25	BIRTH-POLICE-STATION	
26	REGISTRATION-REGION-CODE	
27	REGISTRATION-LOCAL-OFFICE-CODE	
28	REGISTRATION-LOCAL-UNIT-CODE	
29	MOTHERS-NAME	
30	POLICE-ID-TYPE	
31	POLICE-ID-GOVERNORATE-CODE	
32	POLICE-ID-STATION-CODE	
33	POLICE-ID-SERIAL-NUMBER	
34	ADDRESS-BUILDING-NUMBER	
35	ADDRESS-STREET-NAME	
36	ADDRESS-GOVERNORATE-CODE	
37	ADDRESS-POLICE-STATION-CODE	
38	ADDRESS-POLICE-UNIT-CODE	
39	SENSITIVITY-INDICATOR	

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REPORT DESCRIPTION FORM (Continued)

DATA CONTENT

Reference Number	Data Name	Notes
40	INDIVIDUAL-STATUS-CODE	
41	NUMBER-OF-ID-CARDS-ISSUED	
42	APPROVED-BY-SIN	
43	DATE-ADDED	
44	ORIGINAL-SOURCE-OF-DATA-CODE	
45	DATE-LAST-ACTION	
46	ACTION-TYPE-CODE	
47	COVERAGE-FLAG	
48	BENEFITS-FLAG	

REPORT DESCRIPTION

System: Registration Date f.c.: 22 Aug 1984

Subsystem: Individuals Registration Date l.u.:

Function: Report Processing Phase: 2

Report ID: ERKR530

Report Name: Aged Transaction Report

Author: GAS

Description:

This provides a report of transactions on the Registration Transaction Database that have been on the Database more than a parameter selected number of days.

Production:

Frequency	Medium	Forms	Volume
_____ Daily	___X_ Paper	ID:	Lines per page
__X__ Weekly	_____ Preprinted Form	Type: _____	Avg: _____
_____ Bi-Weekly	_____ Other	Size: _____	Max: _____
_____ Semi-Monthly	_____	# of Plys: _____	Pages per report
_____ Monthly			Avg: _____
_____ Quarterly			Max: _____
_____ On Request			
_____ Other _____			

Distribution:

Area or Job Title	Location	Copies	Page Break/Total
Local Office Supervisor	Registration	one (1)	Transaction-Registration-Location

391

Sequence: Major: Ascending Transaction-Registration-Location

Minor: Descending Calculated-Days-On-Database

Comments: Selection Criteria:

Three (3) selection parameter options will be input to this process

1. Allow records to be ignored if ready for archiving, i.e., status-code = 19, 28, 29, 48, 49, 58 or 59

2. Allow records to be ignored for which ID cards have been created, i.e., status-code = 41

3. Allow records to be ignored when the difference (in days) between the entry-date and the report-date is less than the input parameter

REPORT DESCRIPTION FORM (Continued)

DATA CONTENT

Reference Number	Data Name	Notes
1	TRANSACTION-REGISTRATION-LOCATION	
2	CALCULATED-DAYS-ON-DATABASE	
3	AUDIT-SIN	
4	INDIVIDUAL-SIN	
5	FULL-NAME	
6	REMOTE-TRANS-REF-NO	
7	REGISTRATION-TRANSACTION-NUMBER	